Administrative Package Cover Page

This file contains the following documents:

1. Summary of application (in plain language)
   - English
   - Alternative Language (Spanish)
2. First Notice (NORI-Notice of Receipt of Application and Intent to Obtain a Permit)
   - English
   - Alternative Language (Spanish)
3. Application materials

Portada de Paquete Administrativo

Este archivo contiene los siguientes documentos:

1. Resumen en lenguaje sencillo (PLS, por sus siglas en inglés) de la actividad propuesta
   - Inglés
   - Idioma alternativo (español)
2. Primer aviso (NORI, por sus siglas en inglés)
   - Inglés
   - Idioma alternativo (español)
3. Solicitud original

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

Plain Language Summary Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

Applicants should use this template to develop a plain language summary as required by Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H. Applicants may modify the template as necessary to accurately describe their facility as long as the summary includes the following information: (1) the function of the proposed plant or facility; (2) the expected output of the proposed plant or facility; (3) the expected pollutants that may be emitted or discharged by the proposed plant or facility; and (4) how the applicant will control those pollutants, so that the proposed plant will not have an adverse impact on human health or the environment.

Fill in the highlighted areas below to describe your facility and application in plain language. Instructions and examples are provided below. Make any other edits necessary to improve readability or grammar and to comply with the rule requirements.

If you are subject to the alternative language notice requirements in 30 TAC Section 39.426, **you must provide a translated copy of the completed plain language summary in the appropriate alternative language as part of your application package**. For your convenience, a Spanish template has been provided below.

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS INDUSTRIAL WASTEWATER/STORMWATER

The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 TAC Chapter 39. The information provided in this summary may change during the technical review of the application and is not a federal enforceable representation of the permit application.

Ingenia Polymers, Inc. (CN602932154) operates Ingenia Polymers LaPorte Plant (RN# 101613370), a plastics compounding plant. The facility is located at 1300 McCabe Road, in LaPorte, Harris County, Texas 77571. Ingenia is applying for the renewal of their TPDES permit (WQ0003608000). Discharges from the facility are expected to contain biological oxygen demand, pH, chemical oxygen demand, total suspended solids, oil and grease, and zinc. Contact cooling water, non-contact cooling water, boiler blowdown and steam condensate, facility/equipment and railcar wash water, and process area stormwater are discharged via Outfall 001. These discharges are treated by screens, polymer addition for enhanced solids settling, two settling ponds in series, and media filters. The discharge via Outfall 001 is subject to federal effluent limitations guidelines at 40 CFR Part 463.

PLANTILLA EN ESPAÑOL PARA SOLICITUDES NUEVAS/RENOVACIONES/ENMIENDAS DE TPDES o TLAP

AGUAS RESIDUALES INDUSTRIALES **/AGUAS PLUVIALES**

El siguiente resumen se proporciona para esta solicitud de permiso de calidad del agua pendiente que está siendo revisada por la Comisión de Calidad Ambiental de Texas según lo requerido por el Capítulo 39 del Código Administrativo de Texas 30. La información proporcionada en este resumen puede cambiar durante la revisión técnica de la solicitud y no es una representación ejecutiva fedérale de la solicitud de permiso.

Ingenia Polymers, Inc. (CN602932154) opera la planta Ingenia Polymers LaPorte (RN# 101613370), una planta de compuestos de plástico. Lasinstalaciones están ubicadas en 1300 McCabe Road, en LaPorte, condado de Harris, Texas 77571. Ingenia está solicitando la renovación de su permiso TPDES (WQ0003608000). Se espera que las descargas de las instalaciones contengan demanda biológica de oxígeno, pH, demanda química de oxígeno, sólidos suspendidos totales, aceite, grasa, y zinc. El agua de enfriamiento por contacto, el agua de enfriamiento sin contacto, la purga de la caldera y el condensado de vapor, el agua de lavado de instalaciones/equipos y vagones, así como las aguas pluviales del área de proceso se descargan a través del desagüe 001. Estas descargas se tratan mediante tamices, adición de polímeros para mejorar la sedimentación de sólidos, dos estanques de sedimentación en serie y filtros de medios. La descarga a través del desagüe 001 está sujeta a las pautas federales de limitaciones de efluentes de la Parte 463 del Título 40 del Código de Reglamentos Federales (CFR).

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

NOTICE OF RECEIPT OF APPLICATION AND INTENT TO OBTAIN WATER QUALITY PERMIT RENEWAL

PERMIT NO. WQ0003608000

APPLICATION. Ingenia Polymers, Inc., 1300 McCabe Road, La Porte, Texs 77571, which owns a plastic compounding plant, has applied to the Texas Commission on Environmental Quality (TCEQ) renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0003608000 (EPA I.D. No. TX0111350) to authorize the discharge of treated wastewater and stormwater at a volume not to exceed a daily average flow of 171,000 gallons per day. The facility is located at 1300 McCabe Road, near the city of La Porte, in Harris County, Texas 77571. The discharge route is from the plant site via Outfall 001 to an unnamed drainage ditch; thence to Taylor Bayou; thence one of two possible routes depending on tidal flow; either to Taylor Lake; thence to Clear Lake; or to Bayport Channel. TCEQ received this application on November 14, 2024. The permit application will be available for viewing and copying at La Porte Community Library, reference section, 600 South Broadway Street, La Porte, in Harris County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.035555,29.627777&level=18

ALTERNATIVE LANGUAGE NOTICE. Alternative language notice in Spanish is available at: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. El aviso de idioma alternativo en español está disponible en https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications.

ADDITIONAL NOTICE. TCEQ's Executive Director has determined the application is administratively complete and will conduct a technical review of the application. After technical review of the application is complete, the Executive Director may prepare a draft permit and will issue a preliminary decision on the application. **Notice of the Application and Preliminary Decision will be published and mailed to those who are on the county-wide mailing list and to those who are on the mailing list for this application. That notice will contain the deadline for submitting public comments.**

PUBLIC COMMENT / PUBLIC MEETING. You may submit public comments or request a public meeting on this application. The purpose of a public meeting is to provide the opportunity to submit comments or to ask questions about the application. TCEQ will hold a public meeting if the Executive Director determines that there is a significant degree of public interest in the application or if requested by a local legislator. A public meeting is not a contested case hearing.

OPPORTUNITY FOR A CONTESTED CASE HEARING. After the deadline for submitting public comments, the Executive Director will consider all timely comments and prepare a response to all relevant and material, or significant public comments. **Unless the application is directly referred for a contested case hearing, the response to comments, and the Executive Director's decision on the application, will be mailed to everyone who submitted public comments and to those persons who are on the mailing list for this application. If comments are received, the mailing will also provide instructions for requesting reconsideration of the Executive Director's decision and for requesting a contested case hearing.** A contested case hearing is a legal proceeding similar to a civil trial in state district court.

TO REQUEST A CONTESTED CASE HEARING, YOU MUST INCLUDE THE FOLLOWING ITEMS IN YOUR REQUEST: your name, address, phone number; applicant's name and proposed permit number; the location and distance of your property/activities relative to the proposed facility; a specific description of how you would be adversely affected by the facility in a way not common to the general public; a list of all disputed issues of fact that you submit during the comment period and, the statement "[I/we] request a contested case hearing." If the request for contested case hearing is filed on behalf of a group or association, the request must designate the group's representative for receiving future correspondence; identify by name and physical address an individual member of the group who would be adversely affected by the proposed facility or activity; provide the information discussed above regarding the affected member's location and distance from the facility or activity; explain how and why the member would be affected; and explain how the interests the group seeks to protect are relevant to the group's purpose.

Following the close of all applicable comment and request periods, the Executive Director will forward the application and any requests for reconsideration or for a contested case hearing to the TCEQ Commissioners for their consideration at a scheduled Commission meeting.

The Commission may only grant a request for a contested case hearing on issues the requestor submitted in their timely comments that were not subsequently withdrawn. **If a hearing is granted, the subject of a hearing will be limited to disputed issues of fact or mixed questions of fact and law relating to relevant and material water quality concerns submitted during the comment period.**

TCEQ may act on an application to renew a permit for discharge of wastewater without providing an opportunity for a contested case hearing if certain criteria are met.

MAILING LIST. If you submit public comments, a request for a contested case hearing or a reconsideration of the Executive Director's decision, you will be added to the mailing list for this specific application to receive future public notices mailed by the Office of the Chief Clerk. In addition, you may request to be placed on: (1) the permanent mailing list for a specific applicant name and permit number; and/or (2) the mailing list for a specific county. If you wish to be placed on the permanent and/or the county mailing list, clearly specify which list(s) and send your request to TCEQ Office of the Chief Clerk at the address below.

INFORMATION AVAILABLE ONLINE. For details about the status of the application, visit the Commissioners' Integrated Database at www.tceq.texas.gov/goto/cid. Search the database using the permit number for this application, which is provided at the top of this notice.

AGENCY CONTACTS AND INFORMATION. All public comments and requests must be submitted either electronically at **https://www14.tceq.texas.gov/epic/eComment/**, or in writing to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105,

P.O. Box 13087, Austin, Texas 78711-3087. Please be aware that any contact information you provide, including your name, phone number, email address and physical address will become part of the agency's public record. For more information about this permit application or the permitting process, please call the TCEQ Public Education Program, Toll Free, at 1-800-687-4040 or visit their website at www.tceq.texas.gov/goto/pep. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from Ingenia Polymers, Inc. at the address stated above or by calling Mr. Raleigh Jordan, Safety Coordinator Production, at 281-867-3047.

Issuance Date: March 27, 2025

Comisión de Calidad Ambiental del Estado de Texas

AVISO DE RECIBO DE LA SOLICITUD Y
EL INTENTO DE OBTENER PERMISO PARA LA CALIDAD DEL AGUA
RENOVACION

PERMISO NO. WQ0003608000

SOLICITUD. Ingenia Polymers, Inc., 1300 McCabe Road, La Porte, Texas 77571, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0003608000 (EPA I.D. No. TX0111350) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 171,000 galones por día. La planta está ubicada 1300 McCabe Road, La Porte, en el condado de Harris County, Texas 77571. La ruta de descarga es desde el sitio de la planta a través del emisario 001 hasta una zanja de drenaje sin nombre; de allí a Taylor Bayou; de ahí una de las dos rutas posibles en función del caudal de las mareas; ya sea al lago Taylor; de allí a Clear Lake; o al canal de Bayport. La TCEQ recibió esta solicitud el November 14, 2024. La solicitud para el permiso está disponible para leerla y copiarla en La Porte Community Library, 600 South Broadway Street, La Porte, Texas. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.
https://gisweb.tceq.texas.gov/LocationMapper/?marker=95.035555,29.627777&level=18

AVISO ADICIONAL. El Director Ejecutivo de la TCEQ ha determinado que la solicitud es administrativamente completa y conducirá una revisión técnica de la solicitud. Después de completar la revisión técnica, el Director Ejecutivo puede preparar un borrador del permiso y emitirá una Decisión Preliminar sobre la solicitud. **El aviso de la solicitud y la decisión preliminar serán publicados y enviado a los que están en la lista de correo de las personas a lo largo del condado que desean recibir los avisos y los que están en la lista de correo que desean recibir avisos de esta solicitud. El aviso dará la fecha límite para someter comentarios públicos.**

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO. Después del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios apropiados y preparará una respuesta a todo los comentarios públicos esenciales, pertinentes, o significativos. **A menos que la solicitud haya sido referida directamente a una audiencia administrativa de lo contencioso, la respuesta a los comentarios y la decisión del Director Ejecutivo sobre la solicitud serán enviados por correo a todos los que presentaron un comentario público y a las personas que están en la lista para recibir avisos sobre esta solicitud. Si se reciben comentarios, el aviso también proveerá instrucciones para pedir una reconsideración de la decisión del Director Ejecutivo y para pedir una audiencia administrativa de lo contencioso.** Una audiencia administrativa de lo contencioso es un procedimiento legal similar a un procedimiento legal civil en un tribunal de distrito del estado.

PARA SOLICITAR UNA AUDIENCIA DE CASO IMPUGNADO, USTED DEBE INCLUIR EN SU SOLICITUD LOS SIGUIENTES DATOS: su nombre, dirección, y número de teléfono; el nombre del solicitante y número del permiso; la ubicación y distancia de su propiedad/actividad con respecto a la instalación; una descripción específica de la forma cómo usted sería afectado adversamente por el sitio de una manera no común al público en general; una lista de todas las cuestiones de hecho en disputa que usted presente durante el período de comentarios; y la declaración "[Yo/nosotros] solicito/solicitamos una audiencia de caso impugnado". Si presenta la petición para una audiencia de caso impugnado de parte de un grupo o asociación, debe identificar una persona que representa al grupo para recibir correspondencia en el futuro; identificar el nombre y la dirección de un miembro del grupo que sería afectado adversamente por la planta o la actividad propuesta; proveer la información indicada anteriormente con respecto a la ubicación del miembro afectado y su distancia de la planta o actividad propuesta; explicar cómo y porqué el miembro sería afectado; y explicar cómo los intereses que el grupo desea proteger son pertinentes al propósito del grupo.

Después del cierre de todos los períodos de comentarios y de petición que aplican, el Director Ejecutivo enviará la solicitud y cualquier petición para reconsideración o para una audiencia de caso impugnado a los Comisionados de la TCEQ para su consideración durante una reunión programada de la Comisión. La Comisión sólo puede conceder una solicitud de una audiencia de caso impugnado sobre los temas que el solicitante haya presentado en sus comentarios oportunos que no fueron retirados posteriormente. Si se concede una audiencia, el tema de la audiencia estará limitado a cuestiones de hecho en disputa o cuestiones mixtas de hecho y de derecho relacionadas a intereses pertinentes y materiales de calidad del agua que se hayan presentado durante el período de comentarios. Si ciertos criterios se cumplen, la TCEQ puede actuar sobre una solicitud para renovar un permiso sin proveer una oportunidad de una audiencia administrativa de lo contencioso.

LISTA DE CORREO. Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Ademas, puede pedir que la TCEQ ponga su nombre en una or mas de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos de el solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado especifico. Si desea que se agrega su nombre en una de las listas designe cual lista(s) y envia por correo su pedido a la Oficina del Secretario Principal de la

TCEQ.

CONTACTOS E INFORMACIÓN DE LA TCEQ. Todos los comentarios escritos del público y los para pedidos una reunión deben ser presentados a la Oficina del Secretario Principal, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 o por el internet at www.tceq.texas.gov/about/comments.html. Tenga en cuenta que cualquier información personal que usted proporcione, incluyendo su nombre, número de teléfono, dirección de correo electrónico y dirección física pasarán a formar parte del registro público de la Agencia. Si necesita más información en Español sobre esta solicitud para un permiso o el proceso del permiso, por favor llame a El Programa de Educación Pública de la TCEQ, sin cobro, al 1-800-687-4040. La información general sobre la TCEQ puede ser encontrada en nuestro sitio de la red: www.tceq.texas.gov.

También se puede obtener información adicional del Ingenia Polymers, Inc. a la dirección indicada arriba o llamando a Raleigh Jordan al 281-867-3047.

Fecha de emisión: 27 de marzo de 2025

Rachel Ellis

From: Raleigh Jordan/Ingenia <Raleigh.Jordan@ingeniapolymers.com>
Sent: Friday, November 22, 2024 12:54 PM
To: Rachel Ellis
Cc: Steve MacNeil/Ingenia
Subject: Attention: Rachel Ellis Ingenia Polymers TPDES Renewal Application
Attachments: Ind TPDES Renew Nori Spanish.docx

Hi Ms. Ellis,
The portion of the NORI received and reviewed to the best of my knowledge does not contain any errors or omissions. Also, I included the Spanish version of the NORI as requested. Please let me know if you have any questions. Thanks again.

From: Rachel Ellis <Rachel.Ellis@tceq.texas.gov>
Sent: Monday, November 18, 2024 3:12 PM
To: Raleigh Jordan/Ingenia <Raleigh.Jordan@ingeniapolymers.com>
Cc: Steve MacNeil/Ingenia <stevem@ingeniapolymers.com>
Subject: Application for Renew Permit No. WQ0003608000-Ingenia Polymers Usgc, Inc.- Notice of Deficiency Letter

Dear Mr. Jordan,

The attached Notice of Deficiency letter sent on November 18, 2024, requests additional information needed to declare the application administratively complete. Please send the complete response to my attention by December 2, 2024.

Thank you,

Rachel Ellis
Texas Commission on Environmental Quality
Water Quality Division
Application Review & Processing Team
Rachel.Ellis@tceq.texas.gov

Raleigh Jordan
1300 McCabe Road
La Porte, Texas 77571 USA
281-620-4174
www.ingeniapolymers.com

TO: Texas Commission on Environmental Quality
Application Review and Processing Team MC 148
P.O. Box 13087
Austin, Tx. 78711-3087

RE: INGENIA POLYMERS APPLICATION TO TRANSFER A WASTEWATER PERMIT $100.00 FEE WQ0003608000, CN605767490, RN101613370, EPA I.D. NUMBER TX0111350 & CORE DATA FORM TCEQ-10400

The money order in the amount of $100.00 is included for the fee payment for the Application to Transfer a Wastewater Permit from A Schulman to Ingenia Polymers, Inc.

Sincerely,
Raleigh Jordan Safety Coordinator

INGENIA
REDEFINING THERMOPLASTICS

Raleigh Jordan
1300 McCabe Road
La Porte, Texas 77571 USA
281-620-4174
www.ingeniapolymers.com

TO: Texas Commission on Environmental Quality
Application Review and Processing Team MC 148
P.O. Box 13087
Austin, Tx. 78711-3087

January 16, 2025

RE: CMRR- INGENIA POLYMERS TPDES APPLICATION TO TRANSFER A WASTEWATER PERMIT $100.00 FEE FOR WQ0003608000, EPA I.D. NUMBER TX0111350, & CORE DATA FORM TCEQ-10400, CN605767490, RN101613370

The money order in the amount of $100.00 is included for the fee payment for the Application to Transfer a Wastewater Permit from A Schulman, Ingenia Polymers USGC Inc to **JUST** Ingenia Polymers, Inc. This change applies to including but not limited to storm water, wastewater, solid waste registration, industrial hazardous waste, air, and PBR. Location: 1300 McCabe Road La Porte, Tx.77571.

Sincerely,
Raleigh Jordan Safety Coordinator

Raleigh Jordan

TCEQ Use Only

TCEQ Core Data Form

For detailed instructions on completing this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission *(If other is checked please describe in space provided.)*

☒ New Permit, Registration or Authorization *(Core Data Form should be submitted with the program application.)*

☐ Renewal *(Core Data Form should be submitted with the renewal form)* ☐ Other

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number *(if issued)*
CN 605767490		RN 101613370

SECTION II: Customer Information

4. General Customer Information | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy)

☐ New Customer ☒ Update to Customer Information ☒ Change in Regulated Entity Ownership
☒ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).

6. Customer Legal Name *(If an individual, print last name first: eg: Doe, John)* | *If new Customer, enter previous Customer below:*

Ingenia Polymers, Inc.

7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number *(if applicable)*
803526286	17314436506	731443650	03-686-8011

11. Type of Customer: ☐ Corporation ☒ Individual Partnership: ☐ General ☐ Limited
Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other ☐ Sole Proprietorship ☐ Other:

12. Number of Employees ☐ 0-20 ☐ 21-100 ☐ 101-250 ☒ 251-500 ☐ 501 and higher

13. Independently Owned and Operated? ☐ Yes ☐ No

14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*

☐ Owner ☐ Operator ☒ Owner & Operator ☐ Other:
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant

15. Mailing Address: 1300 McCabe Road

City	La Porte	State	Tx	ZIP	77571	ZIP + 4	

16. Country Mailing Information *(if outside USA)* | **17. E-Mail Address** *(if applicable)*

18. Telephone Number (281) 867-3000 | **19. Extension or Code** | **20. Fax Number** *(if applicable)* ( ) -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information *(If 'New Regulated Entity" is selected, a new permit application is also required.)*

☐ New Regulated Entity ☒ Update to Regulated Entity Name ☒ Update to Regulated Entity Information

The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).

22. Regulated Entity Name *(Enter name of the site where the regulated action is taking place.)*

Ingenia Polymers Inc

23. Street Address of the Regulated Entity: *(No PO Boxes)*	1300 McCabe Road							
	City	La Porte	**State**	TX	**ZIP**	77571	**ZIP + 4**	
24. County	Harris							

If no Street Address is provided, fields 25-28 are required.

25. Description to Physical Location:					
26. Nearest City			**State**	**Nearest ZIP Code**	
La Porte			TX	77571	

Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).

27. Latitude (N) In Decimal:	29.62869		**28. Longitude (W) In Decimal:**	-95.03621	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds

29. Primary SIC Code (4 digits)	**30. Secondary SIC Code** (4 digits)	**31. Primary NAICS Code** (5 or 6 digits)	**32. Secondary NAICS Code** (5 or 6 digits)
2821	3087	325991	325211

33. What is the Primary Business of this entity? *(Do not repeat the SIC or NAICS description.)*

Plastics Compounding

34. Mailing Address:	**1300 McCabe Road**							
	City	La Porte	**State**	TX	**ZIP**	77571	**ZIP + 4**	
35. E-Mail Address:								

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(281) 867-3000		( ) -

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☒ Industrial Hazardous Waste
☐ Municipal Solid Waste	☒ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☒ PWS
☐ Sludge	☒ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:

SECTION IV: Preparer Information

40. Name:	Raleigh Jordan	**41. Title:**	Safety Coordinator

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(281) 867-3047		( ) -	Raleigh.Jordan@ingeniapolymers.com

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	Ingenia Polymers, Inc.	**Job Title:**	Safety Coordinator
Name *(In Print):*	Raleigh Jordan	**Phone:**	(281) 867- 3047
Signature:		**Date:**	1/16/2025

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

APPLICATION TO TRANSFER A WASTEWATER PERMIT OR CAFO PERMIT

If you have questions about completing this form please contact the Applications Review and Processing Team at 512-239-4671.

SECTION 1. CURRENT PERMIT INFORMATION

What is the Permit Number? WQ0003608000

What is the EPA I.D. Number? TX 0111350

What is the Current Name on the Permit?

A Schulman

What is the Customer Number (CN) for the current permittee? CN 605767490

What is the Regulated Entity Reference Number (RN): RN 101613370

For Publicly Owned Treatment Works (POTWs) Only:

a) Does this permit require implementation of an approved pretreatment program by the POTW? Yes ☒ No ☐

b) Does this permit have a domestic reclaimed water authorization associated with it? NOTE: **The domestic reclaimed water authorization associated with this permit will be cancelled on the same date the transfer took place.** See instructions for more information.
Yes ☐ No ☒

SECTION 2. FACILITY OWNER (APPLICANT) INFORMATION

A. What is the Legal Name of the facility owner?

Ingenia Polymers Inc

B. What is the Customer Number (CN) issued to this entity? CN 605767490

C. Complete and attach a Core Data Form (TCEQ-10400) for this customer.

SECTION 3. CO-APPLICANT INFORMATION

Complete this section only if another person or entity is required to apply as a co-permittee.

A. What is the Legal Name of the co-applicant applying for this permit?

B. What is the Customer Number (CN) issued to this entity? CN

C. Complete and attach a Core Data Form (TCEQ-10400) for this customer.

SECTION 4. APPLICATION CONTACT INFORMATION

This is the person TCEQ will contact if additional information is needed about this application.

Application Contact First and Last Name: Raleigh Jordan

Title: Safety Coordinator Credentials:

Company Name: Ingenia Polymers Inc.

Mailing Address: 1300 McCabe Road

City, State, and Zip Code: La Porte, TX. 77571

Phone Number: 281-620-4174 Fax Number:

E-mail Address: Raleigh.Jordan@ingeniapolymers.com

SECTION 5. PERMIT CONTACT INFORMATION

This is the person TCEQ will contact if additional information is needed during the term of the permit.

Permit Contact First and Last Name: Raleigh Jordan

Title: Safety Coordinator Credentials:

Company Name: Ingenia Polymers Inc.

Mailing Address: 1300 McCabe Road

City, State, and Zip Code: La Porte, TX. 77571

Phone Number: 281-620-4174 Fax Number:

E-mail Address: Raleigh.Jordan@ingeniapolymers.com

SECTION 6. SITE INFORMATION

Site Name: Ingenia Polymers Inc.

SECTION 7. LEASE AND EASEMENT REQUIREMENTS

A. Landowner where the facility is or will be located:

Landowner Name: Ingenia Polymers Inc.

If this individual is not the same person as the facility owner or co-applicant, attach one of the following documents:

- A lease agreement or deed recorded easement, if the facility is NOT a fixture of the land, or
- A deed recorded easement if the facility IS a fixture of the land.

B. Landowner of the effluent disposal site:

Landowner Name: Ingenia Polymers Inc.

If this individual is not the same person as the facility owner or co-applicant, attach a lease agreement.

C. For CAFOs: Attach the following records:

- Warranty Deed or Property Tax Records
- Lease Agreement (for land management units that are not owned by the facility owner or co-applicant)

Facility Size on the proof of ownership, in acres: 37 Acres

SECTION 8. TRANSFER DATE

What is the date that the transfer of operator or ownership will occur? March 20, 2020

SECTION 9. REPORTING AND BILLING INFORMATION

A. Please identify the individual for receiving the reporting forms.

First and Last Name: Raleigh Jordan

Title: Safety Coordinator Credentials:

Company Name: Ingenia Polymers Inc.

Mailing Address: 1300 McCabe Road

City, State, and Zip Code: La Porte, TX. 77571

Phone Number: 281-867-3047 Fax Number:

E-mail Address: Raleigh.Jordan@ingeniapolymers.com

B. Please identify the individual for receiving the annual fee invoices.

First and Last Name: Janice P. Hutchinson

Title: AR Clerk Finance Credentials:

Company Name: Ingenia Polymers Corp.

Mailing Address: 565 Greenwich Street

City, State, and Zip Code: Brantford Ontario N3T 5M8

Phone Number: 519-759-8941 Fax Number:

E-mail Address: Janice.p.hutchinson@ingeniapolymers.com

SECTION 10. DELINQUENT FEES OR PENALTIES

Do you owe fees to the TCEQ? Yes ☐ No ☒

Do you owe any penalties to the TCEQ? Yes ☐ No ☒

If you answered yes to either of the above questions, provide the amount owed, the type of fee or penalty, and an identifying number.

TRANSFEROR SIGNATURE (Current Facility Owner)

I consent to the transfer of the permit and I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that I am authorized under 30 Texas Administrative Code Section 305.44 to sign this document and can provide documentation in proof of such authorization upon request.

Facility Owner Name: •the current permittee no longer owns the permitted facilities

Title:

Signature: _____ Date: _____

SUBSCRIBED AND SWORN to before me by the said _____ on

this _____ day of _____, 20_____

My commission expires on the _____ day of _____, 20_____

(Seal)

_____
Notary Public

_____
County, Texas

TRANSFEREE SIGNATURE (New Facility Owner)

I certify that a change of ownership of the facility for the subject permit has been issued will occur as indicated in the application. As a condition of the transfer, I do hereby declare that:

The transferee will be the owner of the existing treatment facility from which wastewater is discharged, deposited or disposed or the facilities required to comply with the permit will be constructed as described in the application considered by the TCEQ prior to the issuance of the permit.

The transferee possesses a copy of the permit, understands the terms and conditions therein, and does accept and assume all obligations of the permit.

The transferee assumes financial responsibility for the proper maintenance and operation of all waste treatment and disposal facilities required by the permit or which may be required to comply with the permit terms and conditions. The transferee certifies that the transfer is not made for the purpose of avoiding liability for improper actions carried out prior to the date of transfer. Neither is the transfer made for the purpose of transferring responsibility for improper operations to an insolvent entity.

The transferee certifies under penalty of law that this document is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for known violations and revocation of this permit.

New Facility Owner: Stephen MacNeil / Ingenia Polymers Inc.

Title: Plant Manager

Signature: Stephen MacNeil Date: 1-14-25

SUBSCRIBED AND SWORN to before me by the said New Facility Owner on

this Tuesday day of January, 20 25

My commission expires on the 21st day of September, 20 27

(Seal)

RICARDO CANTU GUEVARA
Notary ID #134567306
My Commission Expires
September 21, 2027

Notary Public

Harris
County, Texas

TCEQ Use Only

TCEQ Core Data Form

For detailed instructions on completing this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission *(If other is checked please describe in space provided.)*

☒ New Permit, Registration or Authorization *(Core Data Form should be submitted with the program application.)*

☐ Renewal *(Core Data Form should be submitted with the renewal form)* ☐ Other

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number *(if issued)*
CN 605767490		RN 101613370

SECTION II: Customer Information

4. General Customer Information | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy)

☐ New Customer ☒ Update to Customer Information ☒ Change in Regulated Entity Ownership
☒ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).

6. Customer Legal Name *(If an individual, print last name first: eg: Doe, John)* | *If new Customer, enter previous Customer below:*

7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number *(if applicable)*
0012112506	17314436506	731443650	

11. Type of Customer: ☒ Corporation ☐ Individual Partnership: ☐ General ☐ Limited

Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other ☐ Sole Proprietorship ☐ Other:

12. Number of Employees ☐ 0-20 ☐ 21-100 ☐ 101-250 ☒ 251-500 ☐ 501 and higher

13. Independently Owned and Operated? ☑ Yes ☐ No

14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*

☐ Owner ☐ Operator ☒ Owner & Operator ☐ Other:
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant

15. Mailing Address:

City		State		ZIP		ZIP + 4	

16. Country Mailing Information *(if outside USA)*	17. E-Mail Address *(if applicable)*

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
( ) -		( ) -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information *(If 'New Regulated Entity" is selected, a new permit application is also required.)*

☐ New Regulated Entity ☒ Update to Regulated Entity Name ☐ Update to Regulated Entity Information

The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).

22. Regulated Entity Name *(Enter name of the site where the regulated action is taking place.)*

Ingenia Polymers Inc

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	1300 McCabe Road							
	City	La Porte	**State**	TX	**ZIP**	77571	**ZIP + 4**	
24. County	Harris							

If no Street Address is provided, fields 25-28 are required.

25. Description to Physical Location:					
26. Nearest City			**State**	**Nearest ZIP Code**	
La Porte			TX	77571	

Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).

27. Latitude (N) In Decimal:	29.62869		**28. Longitude (W) In Decimal:**	-95.03621	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds

29. Primary SIC Code (4 digits)	**30. Secondary SIC Code** (4 digits)	**31. Primary NAICS Code** (5 or 6 digits)	**32. Secondary NAICS Code** (5 or 6 digits)
2821	3087	325991	325211

33. What is the Primary Business of this entity? *(Do not repeat the SIC or NAICS description.)*

Plastics Compounding

34. Mailing Address:	**1300 McCabe Road**							
	City	La Porte	**State**	TX	**ZIP**	77571	**ZIP + 4**	
35. E-Mail Address:								

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(281) 867-3000		( ) -

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☒ Industrial Hazardous Waste
				23668
☐ Municipal Solid Waste	☒ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☒ PWS TX 1013161
☐ Sludge	☒ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
	600366000			
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	600360000			

SECTION IV: Preparer Information

40. Name:	Raleigh Jordan	**41. Title:**	Safety Coordinator

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(281) 867-3037		( ) -	Raleigh.Jordan@ingeniapolymers.com

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	Ingenia Polymers Inc	**Job Title:**	Safety Coordinator
Name *(In Print):*	Raleigh Jordan	**Phone:**	(281) 867- 3047
Signature:	Raleigh Jordan	**Date:**	1/14/2025

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

APPLICATION TO TRANSFER A WASTEWATER PERMIT OR CAFO PERMIT

If you have questions about completing this form please contact the Applications Review and Processing Team at 512-239-4671.

SECTION 1. CURRENT PERMIT INFORMATION

What is the Permit Number? WQ0003608000

What is the EPA I.D. Number? TX 0111350

What is the Current Name on the Permit?

A Schulman

What is the Customer Number (CN) for the current permittee? CN 605767490

What is the Regulated Entity Reference Number (RN): RN 101613370

For Publicly Owned Treatment Works (POTWs) Only:

a) Does this permit require implementation of an approved pretreatment program by the POTW? Yes ☒ No ☐

b) Does this permit have a domestic reclaimed water authorization associated with it? NOTE: **The domestic reclaimed water authorization associated with this permit will be cancelled on the same date the transfer took place**. See instructions for more information.
Yes ☐ No ☒

SECTION 2. FACILITY OWNER (APPLICANT) INFORMATION

A. What is the Legal Name of the facility owner?

Ingenia Polymers Inc

B. What is the Customer Number (CN) issued to this entity? CN 605767490

C. Complete and attach a Core Data Form (TCEQ-10400) for this customer.

SECTION 3. CO-APPLICANT INFORMATION

Complete this section only if another person or entity is required to apply as a co-permittee.

A. What is the Legal Name of the co-applicant applying for this permit?

B. What is the Customer Number (CN) issued to this entity? CN

C. Complete and attach a Core Data Form (TCEQ-10400) for this customer.

SECTION 4. APPLICATION CONTACT INFORMATION

This is the person TCEQ will contact if additional information is needed about this application.

Application Contact First and Last Name: Raleigh Jordan

Title: Safety Coordinator Credentials:

Company Name: Ingenia Polymers Inc.

Mailing Address: 1300 McCabe Road

City, State, and Zip Code: La Porte, TX. 77571

Phone Number: 281-620-4174 Fax Number:

E-mail Address: Raleigh.Jordan@ingeniapolymers.com

SECTION 5. PERMIT CONTACT INFORMATION

This is the person TCEQ will contact if additional information is needed during the term of the permit.

Permit Contact First and Last Name: Raleigh Jordan

Title: Safety Coordinator Credentials:

Company Name: Ingenia Polymers Inc.

Mailing Address: 1300 McCabe Road

City, State, and Zip Code: La Porte, TX. 77571

Phone Number: 281-620-4174 Fax Number:

E-mail Address: Raleigh.Jordan@ingeniapolymers.com

SECTION 6. SITE INFORMATION

Site Name: Ingenia Polymers Inc.

SECTION 7. LEASE AND EASEMENT REQUIREMENTS

A. Landowner where the facility is or will be located:

Landowner Name: Ingenia Polymers Inc.

If this individual is not the same person as the facility owner or co-applicant, attach one of the following documents:

- A lease agreement or deed recorded easement, if the facility is NOT a fixture of the land, or
- A deed recorded easement if the facility IS a fixture of the land.

B. Landowner of the effluent disposal site:

Landowner Name: Ingenia Polymers Inc.

If this individual is not the same person as the facility owner or co-applicant, attach a lease agreement.

C. For CAFOs: Attach the following records:

- Warranty Deed or Property Tax Records
- Lease Agreement (for land management units that are not owned by the facility owner or co-applicant)

Facility Size on the proof of ownership, in acres: 37 Acres

SECTION 8. TRANSFER DATE

What is the date that the transfer of operator or ownership will occur? March 20, 2020

SECTION 9. REPORTING AND BILLING INFORMATION

A. Please identify the individual for receiving the reporting forms.

First and Last Name: Raleigh Jordan

Title: Safety Coordinator Credentials:

Company Name: Ingenia Polymers Inc.

Mailing Address: 1300 McCabe Road

City, State, and Zip Code: La Porte, TX. 77571

Phone Number: 281-867-3047 Fax Number:

E-mail Address: Raleigh.Jordan@ingeniapolymers.com

B. Please identify the individual for receiving the annual fee invoices.

First and Last Name: Janice P. Hutchinson

Title: AR Clerk Finance Credentials:

Company Name: Ingenia Polymers Corp.

Mailing Address: 565 Greenwich Street

City, State, and Zip Code: Brantford Ontario N3T 5M8

Phone Number: 519-759-8941 Fax Number:

E-mail Address: Janice.p.hutchinson@ingeniapolymers.com

SECTION 10. DELINQUENT FEES OR PENALTIES

Do you owe fees to the TCEQ? Yes ☐ No ☒

Do you owe any penalties to the TCEQ? Yes ☐ No ☒

If you answered yes to either of the above questions, provide the amount owed, the type of fee or penalty, and an identifying number.

TRANSFEROR SIGNATURE (Current Facility Owner)

I consent to the transfer of the permit and I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that I am authorized under 30 Texas Administrative Code Section 305.44 to sign this document and can provide documentation in proof of such authorization upon request.

Facility Owner Name: •the current permittee no longer owns the permitted facilities

Title:

Signature: _____Date: _____

SUBSCRIBED AND SWORN to before me by the said _____on

this_____day of_____, 20_____

My commission expires on the_____day of_____, 20_____

(Seal)

_____
Notary Public

_____
County, Texas

TRANSFEREE SIGNATURE (New Facility Owner)

I certify that a change of ownership of the facility for the subject permit has been issued will occur as indicated in the application. As a condition of the transfer, I do hereby declare that:

The transferee will be the owner of the existing treatment facility from which wastewater is discharged, deposited or disposed or the facilities required to comply with the permit will be constructed as described in the application considered by the TCEQ prior to the issuance of the permit.

The transferee possesses a copy of the permit, understands the terms and conditions therein, and does accept and assume all obligations of the permit.

The transferee assumes financial responsibility for the proper maintenance and operation of all waste treatment and disposal facilities required by the permit or which may be required to comply with the permit terms and conditions. The transferee certifies that the transfer is not made for the purpose of avoiding liability for improper actions carried out prior to the date of transfer. Neither is the transfer made for the purpose of transferring responsibility for improper operations to an insolvent entity.

The transferee certifies under penalty of law that this document is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for known violations and revocation of this permit.

New Facility Owner: Stephen MacNeil / Ingenia Polymers Inc.

Title: Plant Manager

Signature: Stephen MacNeil Date: 1-14-25

SUBSCRIBED AND SWORN to before me by the said New Facility Owner on

this Tuesday day of January, 20 25

My commission expires on the 21st day of September, 20 27

(Seal)

RICARDO CANTU GUEVARA
Notary ID #134567306
My Commission Expires
September 21, 2027

Notary Public

Harris
County, Texas

UNITED STATES POSTAL SERVICE®

CUSTOMER'S RECEIPT

SEE BACK OF THIS RECEIPT FOR IMPORTANT CLAIM INFORMATION

NOT NEGOTIABLE

Pay to TCEQ Application Review Processing Team

Address MC 148 P.O. Box 13087

Austin, TX 78711

KEEP THIS RECEIPT FOR YOUR RECORDS

Serial Number	Year, Month, Day	Post Office	Amount	Clerk
29673465311	2025-01-16	775710	$100.00	05

INGENIA POLYMERS, INC.

LA PORTE, TEXAS

TPDES PERMIT RENEWAL

NOVEMBER 2024 SUBMITTAL

PERMIT NUMBER WQ0003608000

INGENIA

REDEFINING THERMOPLASTICS

Intended for

Texas Commission on Environmental Quality
Water Quality Division
Applications Review and Processing Team
MC-148

On Behalf of

Ingenia Polymers, Inc.

Date

November 15, 2024

PERMIT RENEWAL FOR WQ0003608000

RAMBOLL Bright ideas. Sustainable change.

CONTENTS

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Supplemental Permit Information Form

CORE Data Form

Technical Report 1.0

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Attachment 1: Plain Language Summary

Attachment 2: Raw Materials, Intermediate Products, and Final Products List

Attachment 3: Water Chemical Additives List, Pesticides and Herbicides List, and Respective SDS's

Attachment 4: Proof of Payment

EXECUTIVE SUMMARY

1. INTRODUCTION

This Executive Summary and the subsequent attachments constitute the permit renewal for the Ingenia Polymers, Inc. (Ingenia) facility located at 1300 McCabe Road LaPorte Texas, 77571 with TPDES Permit No. WQ0003608000. Ingenia operates a polyolefin compounding plant where plastic pellets are blended with various additives to produce specialty polymers. The facility operates under SIC Code 2821 (Plastic Materials) and SIC Code 3087 (Custom Compounding of Purchased Plastics Resins).

This summary contains a brief description of the materials contained in this renewal application and provides supplemental information for specific questions of the Technical Report and worksheets. In addition to this Executive Summary, the sections of the application include:

- Administrative Report 1.0
- Supplemental Permit Information Form
- Core Data Form
- Technical Report 1.0 with the following worksheets
    - Worksheet 1.0
    - Worksheet 2.0
    - Worksheet 4.0
- Figures
    - Figure 1: USGS Topographic Map
    - Figure 2: Facility Map
    - Figure 3: Facility Map Production Lines
    - Figure 4: Water Balance
- Attachments
    - Attachment 1: Plain Language Summary
    - Attachment 2: Raw Materials, Intermediate Products, and Final Products List
    - Attachment 3: Water Chemical Additives List and Respective SDS
    - Attachment 4: Proof of Payment

2. WATER SUPPLY

Ingenia's water supply is from two groundwater wells located on the property (ID No. 11445 and ID No. 8057). The wells are shown on Figures 1, 2, and 3.

Well ID No. 11445 is also referenced as Submitted Driller's Well Report No. 211936.

3. CONTRIBUTING WASTEWATERS & WASTEWATER TREATMENT SYSTEM

Wastewater is generated at the facility from contact cooling water, cooling tower blowdown (non-contact), chiller water discharges (non-contact), boiler blowdown and steam condensate, and facility/equipment and railcar wash water. Process area stormwater is commingled with the process

wastewater for treatment and discharge via Outfall 001. Table 1 below summarizes the Outfall 001 wastewater contribution.

Table 1: Wastewater Contribution to Outfall 001

Description	Flow (gpd)	Type
Contact Cooling Water*	35,000	Intermittent
Cooling Tower Blowdown (Non-Contact)	21,600	Continuous
Chiller Wastewater (Non-Contact)	Minimal	Intermittent
Boiler Blowdown and Steam Condensate	1,500	Continuous
Facility, Equipment, and Railcar Wash Waters	3,200	Intermittent
Stormwater (average)	67,000	Intermittent
Total (average) to Outfall 001	**128,300**	

*The contact cooling water flow estimate includes future production line 250 (Building 4).

Process wastewaters are subject to 40 CFR 463 (Plastics Processing) Subpart A (Contact Cooling and Heating Water). During the current permit term, Ingenia changed how certain contact cooling water systems were operated to enable additional water re-use and recirculation prior to discharge (note: no change to effluent quality). This has resulted in a decrease in the estimated contact cooling water contribution to Outfall 001. The estimated volume of stormwater runoff to Outfall 001 has increased since the previous permit application due to increases in average rainfall volumes for the area, further discussed in Section 4. As the Outfall 001 discharges are heavily influenced by rainfall, Ingenia requests the current permit flow limitations are maintained with this renewal.

Site sanitary wastewater is collected separately and routed to the City of Shoreacres, thence to Gulf Coast Authority - Bayport Plant for treatment and discharge. Certain chiller wastewaters are collected and disposed offsite.

3.1 Wastewater Collection & Treatment

The above discussed wastewaters are routed to an internal surface drainage system thence to a series of collection sump pumps located on the east side of the facility. Stormwater from process areas is collected within the curbed/concreted processing area and is also routed to the internal surface drainage system for treatment.

The combined waters are then pumped to Hycor screens (gross solids separation) which removes solids and pellets. Flow travels via gravity to the "polymer treatment unit" composed of Rapid Mix and Flocculation Tanks where polymer is added to enhance solids settling for the purpose of removing zinc from the wastewater. Water thence flows by gravity to two settling ponds operated in series which provide a quiescent environment to allow flocculated materials to settle. Multi-chambered weirs are installed between Pond 1 and Pond 2, and at the discharge of Pond 2 to aid the removal of suspended solids prior to discharge. Water is pumped from Pond 2 weir chamber through a sand filtration system for final solids polishing prior to discharge via Outfall 001. The filter system includes two media filters and two cartridge filters. The media filter discharge is equipped with an inline flow totalizer. Backwash water from the media filters is returned to Pond 1 for reprocessing.

The wastewater treatment plant flow schematic and overall contributing wastewaters is included in Figure 4.

3.2 Outfall 001 Discharge Path

Outfall 001 is located south of the media (sand) filters. The combined wastewater / stormwater discharges into an unnamed ditch that flows south to a culvert discharging into a Texas DOT unnamed flood control ditch, which runs south towards Taylor Bayou in Segment 2425D. After discharging into Taylor Bayou the flow is routed one of two ways depending on tidal influence:

(1) either towards Taylor Lake in Segment 2425A thence to Clear Lake in Segment 2425, or
(2) to Bayport Channel in Segment 2438 of the Bays and Estuaries Basin.

4. STORMWATER MANAGEMENT

The Ingenia La Porte facility encompasses an area of approximately 12 acres, constructed with an impermeable concrete surface. The perimeter of the area is curbed to keep process and stormwaters from flowing off-site. Process area stormwater is collected and directed to an onsite drainage ditch that routes the flow to a central collection ditch and to wastewater treatment.

As a large portion of the Outfall 001 discharge is stormwater-driven, a review of the historical rainfall data for La Porte, Texas was performed to estimate the stormwater contribution. This included assessment of the 10-yr/24-hr storm event (basis for the daily maximum flow) and monthly rainfall averages (basis for the daily average flow).

4.1 Daily Maximum Stormwater Contribution

The 10-year/24-hour storm event (NOAA Atlas 14, Volume 11, Version 2) was used to estimate the daily maximum flow of stormwater runoff. The storm intensity relates to a rainfall of 9.36 inches. As provided in Table 2 below, an 9.36-inch rain event, assuming a runoff coefficient (c factor) of 0.95 for concrete surfaces, will relate to approximately 2.90 million gallons of stormwater runoff over the 24-hr event.

Table 2: Daily Maximum Stormwater Runoff

Variable	Value	Units
10-yr/24 hr. Rainfall	9.36	inches
C factor	0.95	
Process Area	12	Acres
Total Volume	387,335.52	ft^3
	2,897,471.10	gal
	2.90	**MGD**

Currently, the Hycor screen is designed to process a maximum flow rate of 1,800 gpm. Using an efficiency rating of 95%, this relates to an actual throughput of 1,710 gpm, or 2.46 MGD. Therefore, assuming the average process wastewater flow rate of 0.061 MGD must also be treated concurrently with the stormwater flow, this relates to a daily maximum stormwater volume of 2.40 MGD (2.90 MGD stormwater less 0.061 MGD wastewater) that can be co-managed in the treatment system. While the storm event rainfall, and therefore runoff contribution, has increased since the

previous evaluation, there is no change to the amount of stormwater that can be co-managed in the treatment system as the process wastewaters contributions have decreased.

4.2 Daily Average Stormwater Contribution

Monthly average rainfall rates for the past ten years were reviewed using the Harris County Flood Warning System Rain Gauge at location 610: Taylor's Bayou at Shoreacres Boulevard. The data and estimated volumes are presented in Table 3 below. May is the wettest month with a daily average stormwater volume of 0.067 MGD.

Table 3: Monthly Rainfall Rates for La Porte, Texas

Month	Historical Rainfall (monthly average for past 10 years) (inches/month)	Total Stormwater Volume (mil gal/month)	Average Daily Stormwater Volume (MGD)
January	5.52	1.709	0.055
February	2.12	0.658	0.023
March	3.08	0.955	0.031
April	4.57	1.415	0.047
May	**6.73**	**2.084**	**0.067**
June	5.95	1.843	0.061
July	5.11	1.583	0.051
August	4.86	1.505	0.049
September	6.71	2.077	0.069
October	4.94	1.528	0.049
November	3.95	1.223	0.041
December	5.14	1.590	0.051

5. EFFLUENT CHARACTERIZATION

Information for the permitted Outfall 001 routine compliance requirements (biological oxygen demand (BOD), chemical oxygen demand (COD), total suspended solids (TSS), pH, and zinc) is presented in Worksheet 2.0. Ingenia conducts the pH analysis and Eurofins conducted the analysis for all other parameters (lab information in Table 4 below). An addendum will be submitted for the remaining Worksheet 2.0 parameters for this application.

Table 4: Contract Laboratory Information

Lab Information	Analyses Performed
Eurofins Houston 4145 Greenbriar Dr. Stafford, TX 77477 Phone: 281-520-2865	All analyses except pH

For all sample results, the following notes are as follows unless otherwise stated:

- Where sampling results are presented with a "<" symbol, the parameter was not detected above the method detection limit. For the value given represents the sample detection limit or standard value.

5.1 Outfall 001 Sampling Dates

Sampling for Zinc, BOD, TSS, and pH was conducted on the following dates:

- Sample 1: 8/1/2024
- Sample 2: 8/8/2024
- Sample 3: 8/15/2024
- Sample 4: 8/22/2024

Chemical oxygen demand sampling was conducted on the following dates:

- Sample 1: 8/29/2024
- Sample 2: 9/5/2024
- Sample 3: 9/12/2024
- Sample 4: 10/10/2024

Oil and grease sampling was conducted on the following dates:

- Sample 1: 8/22/2024
- Sample 2: 9/5/2024
- Sample 3: 9/12/2024
- Sample 4: 10/10/2024

ADMINISTRATIVE REPORT 1.0

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the industrial wastewater permit application.

APPLICANT NAME: Ingenia Polymers, Inc.

PERMIT NUMBER (If new, leave blank): WQ00 03608000

Indicate if each of the following items is included in your application.

	Y	N		Y	N
Administrative Report 1.0	☒	☐	Worksheet 8.0	☐	☒
Administrative Report 1.1	☐	☒	Worksheet 9.0	☐	☒
SPIF	☒	☐	Worksheet 10.0	☐	☒
Core Data Form	☒	☐	Worksheet 11.0	☐	☒
Public Involvement Plan Form	☐	☒	Worksheet 11.1	☐	☒
Plain Language Summary	☒	☐	Worksheet 11.2	☐	☒
Technical Report 1.0	☒	☐	Worksheet 11.3	☐	☒
Worksheet 1.0	☒	☐	Original USGS Map	☒	☐
Worksheet 2.0	☒	☐	Affected Landowners Map	☐	☒
Worksheet 3.0	☐	☒	Landowner Disk or Labels	☐	☒
Worksheet 3.1	☐	☒	Flow Diagram	☒	☐
Worksheet 3.2	☐	☒	Site Drawing	☒	☐
Worksheet 3.3	☐	☒	Original Photographs	☐	☒
Worksheet 4.0	☒	☐	Design Calculations	☐	☒
Worksheet 4.1	☐	☒	Solids Management Plan	☐	☒
Worksheet 5.0	☐	☒	Water Balance	☒	☐
Worksheet 6.0	☐	☒			
Worksheet 7.0	☐	☒			

For TCEQ Use Only

Segment Number _____County _____
Expiration Date _____Region _____
Permit Number _____

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

This report is required for all applications for TPDES permits and TLAPs, except applications for oil and gas extraction operations subject to 40 CFR Part 435. Contact the Applications Review and Processing Team at 512-239-4671 with any questions about completing this report.

Applications for oil and gas extraction operations subject to 40 CFR Part 435 must use the Oil and Gas Exploration and Production Administrative Report (TCEQ Form-20893 and 20893-inst[1]).

Item 1. Application Information and Fees (Instructions, Page 26)

a. Complete each field with the requested information, if applicable.

Applicant Name: Ingenia Polymers, Inc.

Permit No.: WQ0003608000

EPA ID No.: TX0111350

Expiration Date: May 14, 2025

b. Check the box next to the appropriate authorization type.

☒ Industrial Wastewater (wastewater and stormwater)

☐ Industrial Stormwater (stormwater only)

c. Check the box next to the appropriate facility status.

☒ Active ☐ Inactive

d. Check the box next to the appropriate permit type.

☒ TPDES Permit ☐ TLAP ☐ TPDES with TLAP component

e. Check the box next to the appropriate application type.

☐ New

☐ Renewal with changes ☒ Renewal without changes

☐ Major amendment with renewal ☐ Major amendment without renewal

☐ Minor amendment without renewal

☐ Minor modification without renewal

f. If applying for an amendment or modification, describe the request: Click to enter text.

For TCEQ Use Only

Segment Number _____County _____
Expiration Date _____Region _____
Permit Number _____

[1] https://www.tceq.texas.gov/publications/search_forms.html

g. Application Fee

EPA Classification	New	Major Amend. (with or without renewal)	Renewal (with or without changes)	Minor Amend. / Minor Mod. (without renewal)
Minor facility not subject to EPA categorical effluent guidelines (40 CFR Parts 400-471)	☐ $350	☐ $350	☐ $315	☐ $150
Minor facility subject to EPA categorical effluent guidelines (40 CFR Parts 400-471)	☐ $1,250	☐ $1,250	☒ $1,215	☐ $150
Major facility	N/A [2]	☐ $2,050	☐ $2,015	☐ $450

h. Payment Information

Mailed

Check or money order No.: Click to enter text.

Check or money order amt.: Click to enter text.

Named printed on check or money order: Click to enter text.

Epay

Voucher number: Click to enter text.

Copy of voucher attachment: Click to enter text.

Item 2. Applicant Information (Instructions, Pages 26)

a. Customer Number, if applicant is an existing customer: CN605767490

Note: Locate the customer number using the TCEQ's Central Registry Customer Search[3].

b. Legal name of the entity (applicant) applying for this permit: Ingenia Polymers USGC Inc.

Note: The owner of the facility must apply for the permit. The legal name must be spelled exactly as filed with the TX SOS, Texas Comptroller of Public Accounts, County, or in the legal documents forming the entity.

c. Name and title of the person signing the application. (**Note:** The person must be an executive official that meets signatory requirements in 30 TAC § 305.44.)

Prefix: Mr.

Full Name (Last/First Name): MacNeil, Stephen

Title: Site Manager

Credential: Click to enter text.

d. Will the applicant have overall financial responsibility for the facility?

☒ Yes ☐ No

[2] All facilities are designated as minors until formally classified as a major by EPA.

[3] https://www15.tceq.texas.gov/crpub/index.cfm?fuseaction=cust.CustSearch

Note: The entity with overall financial responsibility for the facility must apply as a co-applicant, if not the facility owner.

Item 3. Co-applicant Information (Instructions, Page 27)

☒ Check this box if there is no co-applicant.; otherwise, complete the below questions.

a. Legal name of the entity (co-applicant) applying for this permit: Click to enter text.

Note: The legal name must be spelled exactly as filed with the TX SOS, Texas Comptroller of Public Accounts, County, or in the legal documents forming the entity.

b. Customer Number (if applicant is an existing customer): CNClick to enter text.

Note: Locate the customer number using the TCEQ's Central Registry Customer Search.

c. Name and title of the person signing the application. (**Note:** The person must be an executive official that meets signatory requirements in 30 TAC § 305.44.)

Prefix: Click to enter text. Full Name (Last/First Name): Click to enter text.

Title: Click to enter text. Credential: Click to enter text.

d. Will the co-applicant have overall financial responsibility for the facility?

☐ Yes ☐ No

Note: The entity with overall financial responsibility for the facility must apply as a co-applicant, if not the facility owner.

Item 4. Core Data Form (Instructions, Pages 27)

a. Complete one Core Data Form (TCEQ Form 10400) for each customer (applicant and co-applicant(s)) and include as an attachment. If the customer type selected on the Core Data Form is Individual, complete Attachment 1 of the Administrative Report. Attachment: Core Data Form

Item 5. Application Contact Information (Instructions, Page 27)

Provide names of two individuals who can be contact for additional information about this application. Indicate if the individual can be contact about administrative or technical information, or both.

a. ☒ Administrative Contact ☒ Technical Contact

Prefix: Mr. Full Name (Last/First Name): Jordan, Raleigh

Title: Safety Coordinator Production Credential: Click to enter text.

Organization Name: Ingenia Polymers Inc.

Mailing Address: 1300 McCabe Rd. City/State/Zip: LaPorte, Texas 77571-6137

Phone No: 281-867-3047 Email: Raleigh.Jordan@ingeniapolymers.com

b. ☒ Administrative Contact ☒ Technical Contact

Prefix: Mr. Full Name (Last/First Name): MacNeil, Stephen

Title: Site Manager Credential: Click to enter text.

Organization Name: Ingenia Polymers Inc.

Mailing Address: 1300 McCabe Rd. City/State/Zip: LaPorte, Texas 77571-6137

Phone No: 713-504-5791 Email: Stevem@ingeniapolymers.com

Attachment: N/A

Item 6. Permit Contact Information (Instructions, Page 28)

Provide two names of individuals that can be contacted throughout the permit term.

a. Prefix: Mr. Full Name (Last/First Name): Jordan, Raleigh

Title: Safety Coordinator Production Credential: Click to enter text.

Organization Name: Ingenia Polymers Inc.

Mailing Address: 1300 McCabe Rd. City/State/Zip: LaPorte, Texas 77571-6137

Phone No: 281-867-3047 Email: Raleigh.Jordan@ingeniapolymers.com

b. Prefix: Mr. Full Name (Last/First Name): MacNeil, Stephen

Title: Site Manager Credential: Click to enter text.

Organization Name: Ingenia Polymers Inc.

Mailing Address: 1300 McCabe Rd. City/State/Zip: LaPorte, Texas 77571-6137

Phone No: 713-504-5791 Email: Stevem@ingeniapolymers.com

Attachment: N/A

Item 7. Billing Contact Information (Instructions, Page 28)

The permittee is responsible for paying the annual fee. The annual fee will be assessed for permits **in effect on September 1 of each year**. The TCEQ will send a bill to the address provided in this section. The permittee is responsible for terminating the permit when it is no longer needed (form TCEQ-20029).

Provide the complete mailing address where the annual fee invoice should be mailed and the name and phone number of the permittee's representative responsible for payment of the invoice.

Prefix: Mr. Full Name (Last/First Name): Jordan, Raleigh

Title: Safety Coordinator Production Credential: Click to enter text.

Organization Name: Ingenia Polymers Inc.

Mailing Address: 1300 McCabe Rd. City/State/Zip: LaPorte, Texas 77571-6137

Phone No: 281-867-3047 Email: Raleigh.Jordan@ingeniapolymers.com

Item 8. DMR/MER Contact Information (Instructions, Page 28)

Provide the name and mailing address of the person delegated to receive and submit DMRs or MERs. **Note:** DMR data must be submitted through the NetDMR system. An electronic reporting account can be established once the facility has obtained the permit number.

Prefix: Mr. Full Name (Last/First Name): Jordan, Raleigh

Title: Safety Coordinator Production Credential: Click to enter text.

Organization Name: Ingenia Polymers Inc.

Mailing Address: 1300 McCabe Rd. City/State/Zip: LaPorte, Texas 77571-6137

Phone No: 281-867-3047 Email: Raleigh.Jordan@ingeniapolymers.com

Item 9. Notice Information (Instructions, Pages 28)

a. Individual Publishing the Notices

Prefix: Mr. Full Name (Last/First Name): Jordan, Raleigh

Title: Safety Coordinator Production Credential: Click to enter text.

Organization Name: Ingenia Polymers Inc.

Mailing Address: 1300 McCabe Rd. City/State/Zip: LaPorte, Texas 77571-6137

Phone No: 281-867-3047 Email: Raleigh.Jordan@ingeniapolymers.com

b. Method for Receiving Notice of Receipt and Intent to Obtain a Water Quality Permit Package (only for NORI, NAPD will be sent via regular mail)

☒ E-mail: Raleigh.Jordan@ingeniapolymers.com

☐ Fax: Click to enter text.

☒ Regular Mail (USPS)

Mailing Address: 1300 McCabe Rd.

City/State/Zip Code: LaPorte, Texas 77571-6137

c. Contact in the Notice

Prefix: Mr. Full Name (Last/First Name): Jordan, Raleigh

Title: Safety Coordinator Production Credential: Click to enter text.

Organization Name: Ingenia Polymers Inc.

Phone No: 281-867-3047 Email: Raleigh.Jordan@ingeniapolymers.com

d. Public Viewing Location Information

Note: If the facility or outfall is located in more than one county, provide a public viewing place for each county.

Public building name: LaPorte Community Library

Location within the building: Reference Section located by the library's back wall behind the Adult Non-Fiction section (direction signs provided)

Physical Address of Building: 600 South Broadway St.

City: LaPorte County: Harris

e. Bilingual Notice Requirements

This information is required for new, major amendment, minor amendment or minor modification, and renewal applications.

This section of the application is only used to determine if alternative language notices will be needed. Complete instructions on publishing the alternative language notices will be in your public notice package.

Call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain the following information to determine if an alternative language notice(s) is required.

1. Is a bilingual education program required by the Texas Education Code at the elementary or middle school nearest to the facility or proposed facility?

   ☒ Yes ☐ No

   If no, publication of an alternative language notice is not required; skip to Item 8 (Regulated Entity and Permitted Site Information.)

2. Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school?

   ☒ Yes ☐ No

3. Do the students at these schools attend a bilingual education program at another location?

   ☐ Yes ☒ No

4. Would the school be required to provide a bilingual education program, but the school has waived out of this requirement under 19 TAC §89.1205(g)?

   ☐ Yes ☒ No ☐ N/A

5. If the answer is yes to question 1, 2, 3, or 4, public notices in an alternative language are required. Which language is required by the bilingual program? Spanish

f. Plain Language Summary Template – Complete the Plain Language Summary (TCEQ Form 20972) and include as an attachment. Attachment: Attachment 1

g. Complete one Public Involvement Plan (PIP) Form (TCEQ Form 20960) for each application for a new permit or major amendment and include as an attachment. Attachment: Not applicable

Item 10. Regulated Entity and Permitted Site Information (Instructions Page 29)

a. TCEQ issued Regulated Entity Number (RN), if available: RN101613370

   Note: If your business site is part of a larger business site, a Regulated Entity Number (RN) may already be assigned for the larger site. Use the RN assigned for the larger site. Search the TCEQ's Central Registry to determine the RN or to see if the larger site may already be registered as a Regulated Entity. If the site is found, provide the assigned RN.

b. Name of project or site (the name known by the community where located): A Shulman

c. Is the location address of the facility in the existing permit the same?

   ☒ Yes ☐ No ☐ N/A (new permit)

   Note: If the facility is located in Bexar, Comal, Hays, Kinney, Medina, Travis, Uvalde, or Williamson County, additional information concerning protection of the Edwards Aquifer may be required.

d. Owner of treatment facility:

   Prefix: Click to enter text. Full Name (Last/First Name): Click to enter text.

   or Organization Name: Ingenia Polymers Inc.

   Mailing Address: 1300 McCabe Road City/State/Zip: LaPorte, Texas 77571-6137

Phone No: 713-504-5791 Email: stevem@ingeniapolymers.com

e. Ownership of facility: ☐ Public ☒ Private ☐ Both ☐ Federal

f. Owner of land where treatment facility is or will be: Click to enter text.

Prefix: Click to enter text. Full Name (Last/First Name): Click to enter text.

or Organization Name: Ingenia Polymers Inc.

Mailing Address: 1300 McCabe Road City/State/Zip: LaPorte, Texas 77571-6137

Phone No: 713-504-5791 Email: stevem@ingeniapolymers.com

Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years (In some cases, a lease may not suffice - see instructions). Attachment: Click to enter text.

g. Owner of effluent TLAP disposal site (if applicable): N/A

Prefix: N/A Full Name (Last/First Name): N/A

or Organization Name: N/A

Mailing Address: N/A City/State/Zip: N/A

Phone No: N/A Email: N/A

Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years. Attachment: N/A

h. Owner of sewage sludge disposal site (if applicable): N/A

Prefix: N/A Full Name (Last/First Name): N/A

or Organization Name: N/A

Mailing Address: N/A City/State/Zip: N/A

Phone No: N/A Email: N/A

Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years. Attachment: N/A

Item 11. TDPES Discharge/TLAP Disposal Information (Instructions, Page 31)

a. Is the facility located on or does the treated effluent cross Native American Land?

☐ Yes ☒ No

b. Attach an original full size USGS Topographic Map (or an 8.5"×11" reproduced portion for renewal or amendment applications) with all required information. Check the box next to each item below to confirm it has been included on the map.

☒ One-mile radius
☒ Applicant's property boundaries
☒ Labeled point(s) of discharge
☐ Effluent disposal site boundaries
☐ Sewage sludge disposal site
☒ Three-miles downstream information
☒ Treatment facility boundaries
☒ Highlighted discharge route(s)
☒ All wastewater ponds
☐ New and future construction

Attachment: Figure 1

c. Is the location of the sewage sludge disposal site in the existing permit accurate?

☐ Yes ☐ No or New Permit (Not applicable)

If no, or a new application, provide an accurate location description: Click to enter text.

d. Are the point(s) of discharge in the existing permit correct?

☒ Yes ☐ No or New Permit

If no, or a new application, provide an accurate location description: Click to enter text.

e. Are the discharge route(s) in the existing permit correct?

☒ Yes ☐ No or New Permit

If no, or a new permit, provide an accurate description of the discharge route: Click to enter text.

f. City nearest the outfall(s): La Porte, Texas

g. County in which the outfalls(s) is/are located: Harris

h. Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?

☐ Yes ☒ No

If yes, indicate by a check mark if: ☐ Authorization granted ☐ Authorization pending

For new and amendment applications, attach copies of letters that show proof of contact and provide the approval letter upon receipt. Attachment: Not applicable

For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge: Not applicable

i. For TLAPs, is the location of the effluent disposal site in the existing permit accurate?

☐ Yes No or New Permit ☐ Not applicable

If no, or a new application, provide an accurate location description: Click to enter text.

j. City nearest the disposal site: N/A

k. County in which the disposal site is located: N/A

l. For TLAPs, describe how effluent is/will be routed from the treatment facility to the disposal site: Not applicable

m. For TLAPs, identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: Not applicable

Item 12. Miscellaneous Information (Instructions, Page 33)

a. Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?

☐ Yes ☒ No

If yes, list each person: Click to enter text.

b. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Account no.: Click to enter text.

Total amount due: Click to enter text.

c. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Enforcement order no.: Click to enter text.

Amount due: Click to enter text.

Item 13. Signature Page (Instructions, Page 33)

Permit No: WQ0003608000

Applicant Name: Ingenia Polymers, Inc.

Certification: I, Stephen MacNeil, certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I further certify that I am authorized under 30 Texas Administrative Code §305.44 to sign and submit this document and can provide documentation in proof of such authorization upon request.

Signatory name (typed or printed): Stephen MacNeil

Signatory title: Site Manager

Signature: Stephen MacNeil (Use blue ink) Date: 11-13-2024

Subscribed and Sworn to before me by the said Stephen MacNeil

on this ~~November~~ Thirteenth day of November, 2024.

My commission expires on the 28th day of October, 2026.

Notary Public

Harris County, Texas

[SEAL]

ANTHONY MELENDEZ
Notary Public, State of Texas
Comm. Expires 10-28-2026
Notary ID 13171644-6

Note: *If co-applicants are necessary, each entity must submit an original, separate signature page.*

INDUSTRIAL WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

Below is a list of common deficiencies found during the administrative review of industrial wastewater permit applications. To ensure the timely processing of this application, please review the items below and indicate each item is complete and in accordance applicable rules at 30 TAC Chapters 21, 281, and 305 by checking the box next to the item. If an item is not required this application, indicate by checking N/A where appropriate. Please do not submit the application until all items below are addressed.

☒ Core Data Form (TCEQ Form No. 10400)
(Required for all applications types. Must be completed in its entirety and signed. Note: Form may be signed by applicant representative.)

☒ Correct and Current Industrial Wastewater Permit Application Forms
(TCEQ Form Nos. 10055 and 10411. Version dated 5/10/2019 or later.)

☒ Water Quality Permit Payment Submittal Form (Page 14)
(Original payment sent to TCEQ Revenue Section. See instructions for mailing address.)

☒ 7.5 Minute USGS Quadrangle Topographic Map Attached
(Full-size map if seeking "New" permit. 8 ½ x 11 acceptable for Renewals and Amendments.)

☒ N/A ☐ Current/Non-Expired, Executed Lease Agreement or Easement Attached

☒ N/A ☐ Landowners Map
(See instructions for landowner requirements.)

Things to Know:

- All the items shown on the map must be labeled.
- The applicant's complete property boundaries must be delineated which includes boundaries of contiguous property owned by the applicant.
- The applicant cannot be its own adjacent landowner. You must identify the landowners immediately adjacent to their property, regardless of how far they are from the actual facility.
- If the applicant's property is adjacent to a road, creek, or stream, the landowners on the opposite side must be identified. Although the properties are not adjacent to applicant's property boundary, they are considered potentially affected landowners. If the adjacent road is a divided highway as identified on the USGS topographic map, the applicant does not have to identify the landowners on the opposite side of the highway.

☒ N/A ☐ Landowners Cross Reference List
(See instructions for landowner requirements.)

☒ N/A ☐ Landowners Labels or CD-RW attached
(See instructions for landowner requirements.)

☒ Original signature per 30 TAC § 305.44 – Blue Ink Preferred
(If signature page is not signed by an elected official or principle executive officer,

a copy of signature authority/delegation letter must be attached.)

☒ Plain Language Summary

SUPPLEMENTAL PERMIT INFORMATION FORM

INDUSTRIAL WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

This form applies to TPDES permit applications only. Complete and attach the Supplemental Permit information Form (SPIF) (TCEQ Form 20971).

Attachment: SPIF

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____Renewal ____Major Amendment ____Minor Amendment ____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

_____ Texas Historical Commission _____ U.S. Fish and Wildlife

_____ Texas Parks and Wildlife Department _____ U.S. Army Corps of Engineers

This form applies to TPDES permit applications only. (Instructions, Page 53)

Complete this form as a separate document. TCEQ will mail a copy to each agency as required by our agreement with EPA. If any of the items are not completely addressed or further information is needed, we will contact you to provide the information before issuing the permit. Address each item completely.

Do not refer to your response to any item in the permit application form. Provide each attachment for this form separately from the Administrative Report of the application. The application will not be declared administratively complete without this SPIF form being completed in its entirety including all attachments. Questions or comments concerning this form may be directed to the Water Quality Division's Application Review and Processing Team by email at WQ-ARPTeam@tceq.texas.gov or by phone at (512) 239-4671.

The following applies to all applications:

1. Permittee: Ingenia Polymers, Inc.

   Permit No. WQ00 03608000 EPA ID No. TX 0111350

   Address of the project (or a location description that includes street/highway, city/vicinity, and county):

   1300 McCabe Road LaPorte, TX 77571

Provide the name, address, phone and fax number of an individual that can be contacted to answer specific questions about the property.

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Raleigh Jordan

Credential (P.E, P.G., Ph.D., etc.): Click here to enter text

Title: Safety Coordinator Production

Mailing Address: 1300 McCabe Road

City, State, Zip Code: La Porte, Texas 77571-6137

Phone No.: 281-867-3047 Ext.: Click here to enter text Fax No.: Click here to enter text

E-mail Address: Raleigh.Jordan@ingeniapolymers.com

2. List the county in which the facility is located: Harris
3. If the property is publicly owned and the owner is different than the permittee/applicant, please list the owner of the property.

Not applicable

4. Provide a description of the effluent discharge route. The discharge route must follow the flow of effluent from the point of discharge to the nearest major watercourse (from the point of discharge to a classified segment as defined in 30 TAC Chapter 307). If known, please identify the classified segment number.

Commingled wastewater and stormwater discharges into an unnamed ditch approximately 2,200 ft south to a culvert. Flow discharges into a Texas DOT unnamed flood control ditch, thence south towards Taylor Bayou. After discharging into Taylor Bayou, the flow is routed one of two ways depending on tidal influence, either (1) towards Clear Lake Segment 2425 or (2) to Bayport Channel in Segment 2438 of the Bays and Estuaries Basin.

5. Please provide a separate 7.5-minute USGS quadrangle map with the project boundaries plotted and a general location map showing the project area. Please highlight the discharge route from the point of discharge for a distance of one mile downstream. (This map is required in addition to the map in the administrative report).

Provide original photographs of any structures 50 years or older on the property.

Does your project involve any of the following? Check all that apply.

- ☐ Proposed access roads, utility lines, construction easements
- ☐ Visual effects that could damage or detract from a historic property's integrity
- ☐ Vibration effects during construction or as a result of project design
- ☒ Additional phases of development that are planned for the future
- ☐ Sealing caves, fractures, sinkholes, other karst features
- ☐ Disturbance of vegetation or wetlands

6. List proposed construction impact (surface acres to be impacted, depth of excavation, sealing of caves, or other karst features):

Facility is considering expanding existing process buildings within current paved area.

7. Describe existing disturbances, vegetation, and land use:

The property is industrial use (i.e., buildings and pavement) with approximately 25% wooded/vegetation area.

THE FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR AMENDMENTS TO TPDES PERMITS

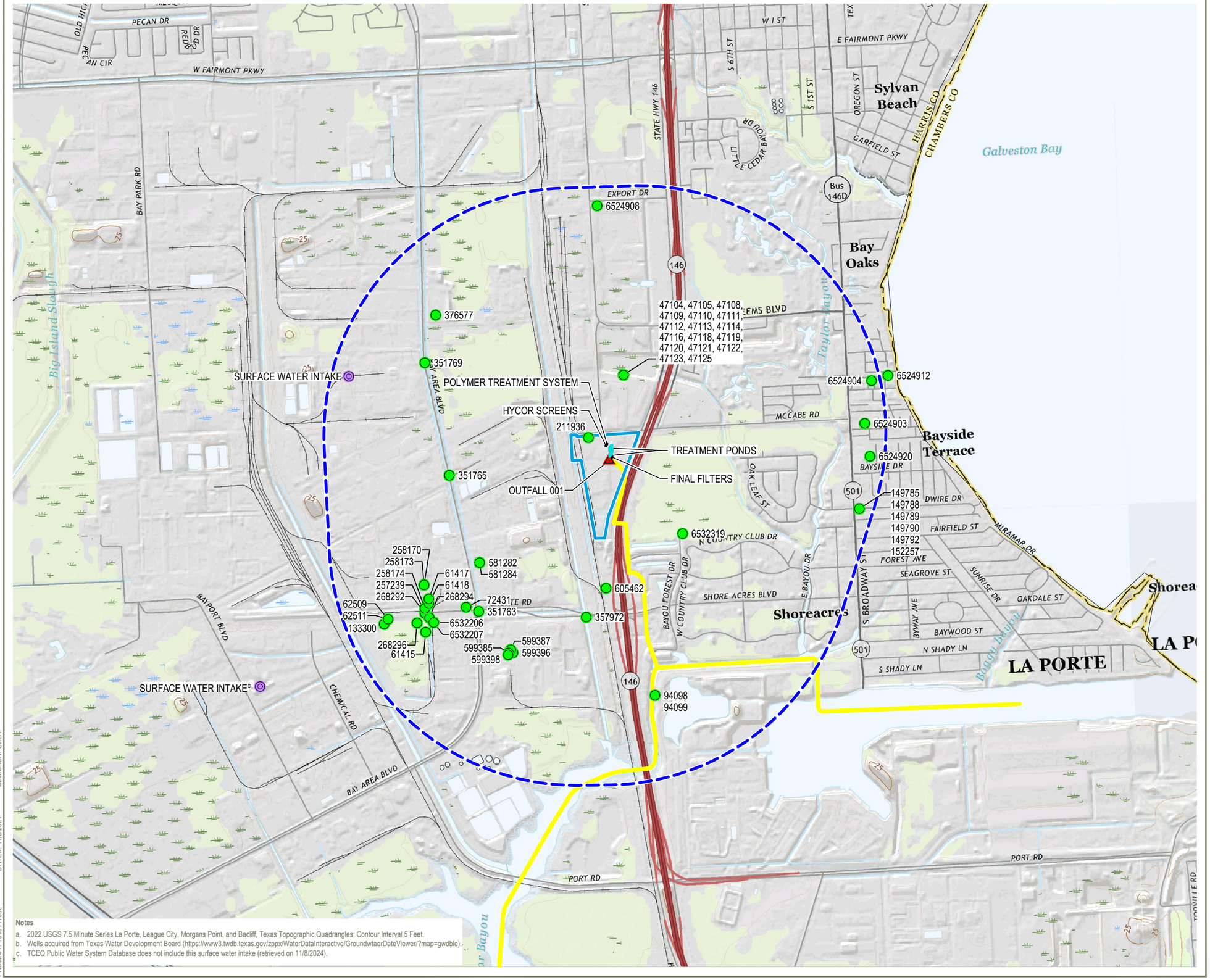
8. List construction dates of all buildings and structures on the property:

The initial processing buildings were constructed in the 1980s with building/warehouse expansions made in 1995, 1996, 2002, and 2006. The Administrative building was constructed in 2008. The wastewater ponds were constructed in 1986. In 2017, the polymer addition system for enhanced solids settling and zinc removal was constructed.

9. Provide a brief history of the property, and name of the architect/builder, if known.

The original architect was Roy Cabler. Steve Barkmann as the designer and architect for all buildings constructed from 1998 to current day. All buildings have been designed according to windstorm and structural integrity requirements, as confirmed by evaluations performed by Whirlwing Buildings.

L:\Loop Project Files_CAD\1940\1940111092_Ingenia_2024_TPDES_Permit\01_USGS Topo Map.dwg



Notes

a. 2022 USGS 7.5 Minute Series La Porte, League City, Morgans Point, and Bacliff, Texas Topographic Quadrangles; Contour Interval 5 Feet.
b. Wells acquired from Texas Water Development Board (https://www3.twdb.texas.gov/zppx/WaterDataInteractive/GroundwtaerDateViewer/?map=gwdble).
c. TCEQ Public Water System Database does not include this surface water intake (retrieved on 11/8/2024).

N

- PROPERTY BOUNDARY (APPROXIMATE)
- ONE-MILE RADIUS
- DISCHARGE ROUTE
- TREATMENT PLANT
- TREATMENT PONDS
- OUTFALL
- SURFACE WATER INTAKE FROM TCEQ PUBLIC WATER SYSTEM DATABASE
- WELLS FROM TWDB (TEXAS WATER DEVELOPMENT BOARD DATABASE)

KEY MAP

0 2,000 Feet

USGS TOPOGRAPHIC MAP

INGENIA POLYMERS, INC.
1300 MCCABE ROAD
LA PORTE, TEXAS

FIGURE 01

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

DESIGNER: CKLAI
DATED: 11/8/2024
PROJECT: 1940111092

CORE DATA FORM

TCEQ Use Only

TCEQ Core Data Form

For detailed instructions on completing this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission (*If other is checked please describe in space provided.*)

☐ New Permit, Registration or Authorization (*Core Data Form should be submitted with the program application.*)

☒ Renewal *(Core Data Form should be submitted with the renewal form)* ☐ Other

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number *(if issued)*
CN 605767490		RN 101613370

SECTION II: Customer Information

4. General Customer Information | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy)

☐ New Customer ☒ Update to Customer Information ☐ Change in Regulated Entity Ownership
☒ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).

6. Customer Legal Name *(If an individual, print last name first: eg: Doe, John)* | *If new Customer, enter previous Customer below:*

Ingenia Polymers, Inc.

7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number *(if applicable)*
			117660570

11. Type of Customer: ☒ Corporation ☐ Individual Partnership: ☐ General ☐ Limited
Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other ☐ Sole Proprietorship ☐ Other:

12. Number of Employees
☐ 0-20 ☐ 21-100 ☒ 101-250 ☐ 251-500 ☐ 501 and higher

13. Independently Owned and Operated?
☐ **Yes** ☒ **No**

14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*

☒ Owner ☐ Operator ☐ Owner & Operator
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant ☐ Other:

15. Mailing Address:	1300 McCabe Road						
	City	La Porte	**State**	TX	**ZIP**	77571	**ZIP + 4** 6137

16. Country Mailing Information *(if outside USA)*	17. E-Mail Address *(if applicable)*

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*

(281) 867-3000	x-3044	( ) -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information *(If 'New Regulated Entity" is selected, a new permit application is also required.)*

☐ New Regulated Entity ☒ Update to Regulated Entity Name ☒ Update to Regulated Entity Information

The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).

22. Regulated Entity Name *(Enter name of the site where the regulated action is taking place.)*

A Schulman

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	1300 McCabe Road							
	City	La Porte	**State**	TX	**ZIP**	77571	**ZIP + 4**	6137
24. County	Harris							

If no Street Address is provided, fields 25-28 are required.

25. Description to Physical Location:					
26. Nearest City			**State**		**Nearest ZIP Code**

Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).

27. Latitude (N) In Decimal:			**28. Longitude (W) In Decimal:**		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds

29. Primary SIC Code (4 digits)	**30. Secondary SIC Code** (4 digits)	**31. Primary NAICS Code** (5 or 6 digits)	**32. Secondary NAICS Code** (5 or 6 digits)
3087	2821	325991	325211

33. What is the Primary Business of this entity? *(Do not repeat the SIC or NAICS description.)*

Plastics Compounding

34. Mailing Address:	**1300 McCabe Road**							
	City	**LaPorte**	**State**	**TX**	**ZIP**	**77571**	**ZIP + 4**	**6137**
35. E-Mail Address:	**stevem@ingeniapolymers.com**							

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(281) 867-3047		( ) -

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☒ Industrial Hazardous Waste
				23668
☐ Municipal Solid Waste	☒ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☒ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
	TXR05FN36			
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☒ Other: Pollution Prevention Planning
	WQ0003608000			PO7402

SECTION IV: Preparer Information

40. Name:	Raleigh Jordan	41. Title:	Safety Coordinator Production

42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(281) 867-3047		( ) -	Raleigh.Jordan@ingeniapolymers.com

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	Ingenia Polymers, Inc.	Job Title:	Site Manager	
Name *(In Print)*:	Stephen MacNeil		Phone:	(713) 504- 5791
Signature:	Stephen MacNeil		Date:	11/13/2024

TECHNICAL REPORT 1.0

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

The following information **is required** for all applications for a TLAP or an individual TPDES discharge permit.

For **additional information** or clarification on the requested information, please refer to the Instructions for Completing the Industrial Wastewater Permit Application[1] available on the TCEQ website. Please contact the Industrial Permits Team at 512-239-4671 with any questions about this form.

If more than one outfall is included in the application, provide applicable information for each individual outfall. **If an item does not apply to the facility, enter N/A** to indicate that the item has been considered. Include separate reports or additional sheets as **clearly cross-referenced attachments** and provide the attachment number in the space provided for the item the attachment addresses.

NOTE: This application is for an industrial wastewater permit only. Additional authorizations from the TCEQ Waste Permits Division or the TCEQ Air Permits Division may be needed.

Item 1. Facility/Site Information (Instructions, Page 39)

a. Describe the general nature of the business and type(s) of industrial and commercial activities. Include all applicable SIC codes (up to 4).

The Ingenia Polymers, Inc. La Porte facility operates a polyolefin compounding plant. Plastic pellets are blended with various additives (listed in Attachment 2) to produce concentrated polymers. (SIC codes 2821 and 3087)

b. Describe all wastewater-generating processes at the facility.

Refer to Executive Summary Sections 3 and 4

[1] https://www.tceq.texas.gov/permitting/wastewater/industrial/TPDES_industrial_wastewater_steps.html

c. Provide a list of raw materials, major intermediates, and final products handled at the facility.

Materials List

Raw Materials	Intermediate Products	Final Products
Refer to Attachment 2	Refer to Attachment 2	Refer to Attachment 2

Attachment: Attachment 2

d. Attach a facility map (drawn to scale) with the following information:

- Production areas, maintenance areas, materials-handling areas, waste-disposal areas, and water intake structures.
- The location of each unit of the WWTP including the location of wastewater collection sumps, impoundments, outfalls, and sampling points, if significantly different from outfall locations.

Attachment: Figures 2 and 3

e. Is this a new permit application for an existing facility?

☐ Yes ☒ No

If **yes**, provide background discussion: Click to enter text.

f. Is/will the treatment facility/disposal site be located above the 100-year frequency flood level.

☐ Yes ☒ No

List source(s) used to determine 100-year frequency flood plain: FEMA Flood Map #48201C0945M; created on 1/6/2017; retrieved on 11/6/2024

If **no**, provide the elevation of the 100-year frequency flood plain and describe what protective measures are used/proposed to prevent flooding (including tail water and rainfall run-on controls) of the treatment facility and disposal area: The base flood elevation in this area is 13-14 ft per the FEMA Flood Map. Facility protocols are in place to prevent flooding of the wastewater treatment facility.

Attachment: Click to enter text.

g. For **new** or **major amendment** permit applications, will any construction operations result in a discharge of fill material into a water in the state?

☐ Yes ☐ No ☒ N/A (renewal only)

h. If **yes** to Item 1.g, has the applicant applied for a USACE CWA Chapter 404 Dredge and Fill permit?

☐ Yes ☐ No (Not applicable)

If **yes**, provide the permit number: Click to enter text.

If **no**, provide an approximate date of application submittal to the USACE: Click to enter text.

Item 2. Treatment System (Instructions, Page 40)

a. List any physical, chemical, or biological treatment process(es) used/proposed to treat wastewater at this facility. Include a description of each treatment process, starting with initial treatment and finishing with the outfall/point of disposal.

See Executive Summary Section 3

b. Attach a flow schematic **with a water balance** showing all sources of water and wastewater flow into the facility, wastewater flow into and from each treatment unit, and wastewater flow to each outfall/point of disposal.

Attachment: Figure 4

Item 3. Impoundments (Instructions, Page 40)

Does the facility use or plan to use any wastewater impoundments (e.g., lagoons or ponds?)

☒ Yes ☐ No

If **no**, proceed to Item 4. If **yes**, complete **Item 3.a** for **existing** impoundments and **Items 3.a - 3.e** for **new or proposed** impoundments. **NOTE:** See instructions, Pages 40-42, for additional information on the attachments required by Items 3.a – 3.e.

a. Complete the table with the following information for each existing, new, or proposed impoundment. Attach additional copies of the Impoundment Information table, if needed.

Use Designation: Indicate the use designation for each impoundment as Treatment (**T**), Disposal (**D**), Containment (**C**), or Evaporation (**E**).

Associated Outfall Number: Provide an outfall number if a discharge occurs or will occur.

Liner Type: Indicate the liner type as Compacted clay liner (**C**), In-situ clay liner (**I**), Synthetic/plastic/rubber liner (**S**), or Alternate liner (**A**). **NOTE:** See instructions for further detail on liner specifications. If an alternate liner (A) is selected, include an attachment that provides a description of the alternate liner and any additional technical information necessary for an evaluation.

Leak Detection System: If any leak detection systems are in place/planned, enter **Y** for yes. Otherwise, enter **N** for no.

Groundwater Monitoring Wells and Data: If groundwater monitoring wells are in place/planned, enter **Y** for yes. Otherwise, enter **N** for no. Attach any existing groundwater monitoring data.

Dimensions: Provide the dimensions, freeboard, surface area, storage capacity of the impoundments, and the maximum depth (not including freeboard). For impoundments with irregular shapes, submit surface area instead of length and width.

Compliance with 40 CFR Part 257, Subpart D: If the impoundment is required to be in compliance with 40 CFR Part 257, Subpart D, enter **Y** for yes. Otherwise, enter **N** for no.

Date of Construction: Enter the date construction of the impoundment commenced (mm/dd/yy).

Impoundment Information

Parameter	Pond # 1	Pond # 2	Pond #	Pond #
Use Designation: (T) (D) (C) or (E)	T & E	T & E		
Associated Outfall Number	001	001		
Liner Type (C) (I) (S) or (A)	I	I		
Alt. Liner Attachment Reference	N/A	N/A		
Leak Detection System, Y/N	N	N		
Groundwater Monitoring Wells, Y/N	N	N		
Groundwater Monitoring Data Attachment	N/A	N/A		
Pond Bottom Located Above The Seasonal High-Water Table, Y/N	-	-		
Length (ft)	175	75		
Width (ft)	95	75		
Max Depth From Water Surface (ft), Not Including Freeboard	13	14.5		
Freeboard (ft)	2	2		
Surface Area (acres)	0.382	0.129		
Storage Capacity (gallons)[(1)]	1,000,000	300,000		
40 CFR Part 257, Subpart D, Y/N	N	N		
Date of Construction	1980s	1980s		

1. Pond dimensions and capacities are estimated via Google Earth.

Attachment: Not applicable

The following information (**Items 3.b – 3.e**) is required only for **new or proposed** impoundments.

b. For new or proposed impoundments, attach any available information on the following items. If attached, check **yes** in the appropriate box. Otherwise, check **no** or **not yet designed**.

1. Liner data

☐ Yes ☐ No ☐ Not yet designed

2. Leak detection system or groundwater monitoring data

☐ Yes ☐ No ☐ Not yet designed

3. Groundwater impacts

☐ Yes ☐ No ☐ Not yet designed

NOTE: Item b.3 is required if the bottom of the pond is not above the seasonal high-water table in the shallowest water-bearing zone.

Attachment: Click to enter text.

For TLAP applications: Items 3.c – 3.e are **not required**, continue to Item 4.

c. Attach a USGS map or a color copy of original quality and scale which accurately locates and identifies all known water supply wells and monitor wells within ½-mile of the impoundments.

Attachment: Click to enter text.

d. Attach copies of State Water Well Reports (e.g., driller's logs, completion data, etc.), and data on depths to groundwater for all known water supply wells including a description of how the depths to groundwater were obtained.

Attachment: Click to enter text.

e. Attach information pertaining to the groundwater, soils, geology, pond liner, etc. used to assess the potential for migration of wastes from the impoundments or the potential for contamination of groundwater or surface water.

Attachment: Click to enter text.

Item 4. Outfall/Disposal Method Information (Instructions, Page 42)

Complete the following tables to describe the location and wastewater discharge or disposal operations for each outfall for discharge, and for each point of disposal for TLAP operations.

If there are more outfalls/points of disposal at the facility than the spaces provided, copies of pages 6 and/0r numbered accordingly (i.e., page 6a, 6b, etc.) may be used to provide information on the additional outfalls.

For TLAP applications: Indicate the disposal method and each individual irrigation area **I**, evaporation pond **E**, or subsurface drainage system **S** by providing the appropriate letter designation for the disposal method followed by a numerical designation for each disposal

area in the space provided for **Outfall** number (e.g. **E1** for evaporation pond 1, **I2** for irrigation area No. 2, etc.).

Outfall Longitude and Latitude

Outfall No.	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)
001	29.628708	95.034611

Outfall Location Description

Outfall No.	Location Description
001	Located approximately 20 ft south of media filters and composite sampling shed.

Description of Sampling Point(s) (if different from Outfall location)

Outfall No.	Description of sampling point
001	Same as location description.

Outfall Flow Information – Permitted and Proposed

Outfall No.	Permitted Daily Avg Flow (MGD)	Permitted Daily Max Flow (MGD)	Proposed Daily Avg Flow (MGD)	Proposed Daily Max Flow (MGD)	Anticipated Discharge Date (mm/dd/yy)
001	0.171	2.46	0.171	2.46	-

Outfall Discharge – Method and Measurement

Outfall No.	Pumped Discharge? Y/N	Gravity Discharge? Y/N	Type of Flow Measurement Device Used
001	Y	N	Inline Flow Meter and Totalizer

Outfall Discharge – Flow Characteristics

Outfall No.	Intermittent Discharge? Y/N	Continuous Discharge? Y/N	Seasonal Discharge? Y/N	Discharge Duration (hrs/day)	Discharge Duration (days/mo)	Discharge Duration (mo/yr)
001	N	Y	N	24	30	12

Outfall No.	Intermittent Discharge? Y/N	Continuous Discharge? Y/N	Seasonal Discharge? Y/N	Discharge Duration (hrs/day)	Discharge Duration (days/mo)	Discharge Duration (mo/yr)

Outfall Wastestream Contributions

Outfall No. 001

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
Contact Cooling Water	0.035	27%
Cooling Tower Blowdown (Non-Contact)	0.0216	17%
Chiller Wastewater (Non-Contact)	Minimal	-
Boiler Blowdown and Steam Condensate	0.0015	1%
Facility, Equipment and Railcar Wash Water	0.0032	2%
Stormwater (average)	0.067	52%

Outfall No. Click to enter text.

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow

Outfall No. Click to enter text.

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow

Attachment: Click to enter text.

Item 5. Blowdown and Once-Through Cooling Water Discharges (Instructions, Page 43)

a. Indicate if the facility currently or proposes to:

☒ Yes ☐ No Use cooling towers that discharge blowdown or other wastestreams

☒ Yes ☐ No Use boilers that discharge blowdown or other wastestreams

☐ Yes ☒ No Discharge once-through cooling water

NOTE: If the facility uses or plans to use cooling towers or once-through cooling water, Item 12 **is required**.

b. If **yes** to any of the above, attach an SDS with the following information for each chemical additive.

- Manufacturers Product Identification Number
- Product use (e.g., biocide, fungicide, corrosion inhibitor, etc.)
- Chemical composition including CASRN for each ingredient
- Classify product as non-persistent, persistent, or bioaccumulative
- Product or active ingredient half-life
- Frequency of product use (e.g., 2 hours/day once every two weeks)
- Product toxicity data specific to fish and aquatic invertebrate organisms
- Concentration of whole product or active ingredient, as appropriate, in wastestream.

In addition to each SDS, attach a summary of the above information for each specific wastestream and the associated chemical additives. Specify which outfalls are affected.

Attachment: Attachment 3

c. Cooling Towers and Boilers

If the facility currently or proposes to use cooling towers or boilers that discharge blowdown or other wastestreams to the outfall(s), complete the following table.

Cooling Towers and Boilers

Type of Unit	Number of Units	Daily Avg Blowdown (gallons/day)	Daily Max Blowdown (gallons/day)
Cooling Towers	3	21,600	21,600
Boilers	3	1,500	1,500

Item 6. Stormwater Management (Instructions, Page 44)

Will any existing/proposed outfalls discharge stormwater associated with industrial activities, as defined at *40 CFR § 122.26(b)(14)*, commingled with any other wastestream?

☒ Yes ☐ No

If **yes**, briefly describe the industrial processes and activities that occur outdoors or in a manner which may result in exposure of the activities or materials to stormwater: See Executive Summary Section 4

Item 7. Domestic Sewage, Sewage Sludge, and Septage Management and Disposal (Instructions, Page 44)

Domestic Sewage - Waste and wastewater from humans or household operations that is discharged to a wastewater collection system or otherwise enters a treatment works.

a. Check the box next to the appropriate method of domestic sewage and domestic sewage sludge treatment or disposal. Complete Worksheet 5.0 or Item 7.b if directed to do so.

☒ Domestic sewage is routed (i.e., connected to or transported to) to a WWTP permitted to receive domestic sewage for treatment, disposal, or both. Complete Item 7.b.

☐ Domestic sewage disposed of by an on-site septic tank and drainfield system. Complete Item 7.b.

☐ Domestic and industrial treatment sludge ARE commingled prior to use or disposal.

☐ Industrial wastewater and domestic sewage are treated separately, and the respective sludge IS NOT commingled prior to sludge use or disposal. Complete Worksheet 5.0.

☐ Facility is a POTW. Complete Worksheet 5.0.

☐ Domestic sewage is not generated on-site.

☐ Other (e.g., portable toilets), specify and Complete Item 7.b: Click to enter text.

b. Provide the name and TCEQ, NPDES, or TPDES Permit No. of the waste-disposal facility which receives the domestic sewage/septage. If hauled by motorized vehicle, provide the name and TCEQ Registration No. of the hauler.

Domestic Sewage Plant/Hauler Name

Plant/Hauler Name	Permit/Registration No.
Gulf Coast Authority – Bayport Plant	WQ0001054000

Item 8. Improvements or Compliance/Enforcement Requirements (Instructions, Page 45)

a. Is the permittee currently required to meet any implementation schedule for compliance or enforcement?

☐ Yes ☒ No

b. Has the permittee completed or planned for any improvements or construction projects?

☐ Yes ☒ No

c. If **yes** to either 8.a **or** 8.b, provide a brief summary of the requirements and a status update: Click to enter text.

Item 9. Toxicity Testing (Instructions, Page 45)

Have any biological tests for acute or chronic toxicity been made on any of the discharges or on a receiving water in relation to the discharge within the last three years?

☐ Yes ☒ No

If **yes**, identify the tests and describe their purposes: Click to enter text.

Additionally, attach a copy of all tests performed which **have not** been submitted to the TCEQ or EPA. **Attachment:** Click to enter text.

Item 10. Off-Site/Third Party Wastes (Instructions, Page 45)

a. Does or will the facility receive wastes from off-site sources for treatment at the facility, disposal on-site via land application, or discharge via a permitted outfall?

☐ Yes ☒ No

If **yes**, provide responses to Items 10.b through 10.d below.

If **no**, proceed to Item 11.

b. Attach the following information to the application:

- List of wastes received (including volumes, characterization, and capability with on-site wastes).
- Identify the sources of wastes received (including the legal name and addresses of the generators).
- Description of the relationship of waste source(s) with the facility's activities.

Attachment: Click to enter text.

c. Is or will wastewater from another TCEQ, NPDES, or TPDES permitted facility commingled with this facility's wastewater after final treatment and prior to discharge via the final outfall/point of disposal?

☐ Yes ☐ No

If **yes**, provide the name, address, and TCEQ, NPDES, or TPDES permit number of the contributing facility and a copy of any agreements or contracts relating to this activity.

Attachment: Click to enter text.

d. Is this facility a POTW that accepts/will accept process wastewater from any SIU and has/is required to have an approved pretreatment program under the NPDES/TPDES program?

☐ Yes ☐ No

If **yes**, **Worksheet 6.0** of this application **is required**.

Item 11. Radioactive Materials (Instructions, Page 46)

a. Are/will radioactive materials be mined, used, stored, or processed at this facility?

☐ Yes ☒ No

If **yes**, use the following table to provide the results of one analysis of the effluent for all radioactive materials that may be present. Provide results in pCi/L.

Radioactive Materials Mined, Used, Stored, or Processed

Radioactive Material Name	Concentration (pCi/L)

b. Does the applicant or anyone at the facility have any knowledge or reason to believe that radioactive materials may be present in the discharge, including naturally occurring radioactive materials in the source waters or on the facility property?

☐ Yes ☒ No

If **yes**, use the following table to provide the results of one analysis of the effluent for all radioactive materials that may be present. Provide results in pCi/L. Do not include information provided in response to Item 11.a.

Radioactive Materials Present in the Discharge

Radioactive Material Name	Concentration (pCi/L)

Item 12. Cooling Water (Instructions, Page 46)

a. Does the facility use or propose to use water for cooling purposes?

☒ Yes ☐ No

If **no**, stop here. If **yes**, complete Items 12.b thru 12.f.

b. Cooling water is/will be obtained from a groundwater source (e.g., on-site well).

☒ Yes ☐ No

If **yes**, stop here. If **no**, continue.

c. Cooling Water Supplier

1. Provide the name of the owner(s) and operator(s) for the CWIS that supplies or will supply water for cooling purposes to the facility.

Cooling Water Intake Structure(s) Owner(s) and Operator(s)

CWIS ID				
Owner				
Operator				

2. Cooling water is/will be obtained from a Public Water Supplier (PWS)

☐ Yes ☐ No

If **no**, continue. If **yes**, provide the PWS Registration No. and stop here: PWS No. Click to enter text.

3. Cooling water is/will be obtained from a reclaimed water source?

☐ Yes ☐ No

If **no**, continue. If **yes**, provide the Reuse Authorization No. and stop here: Click to enter text.

4. Cooling water is/will be obtained from an Independent Supplier

☐ Yes ☐ No

If **no**, proceed to Item 12.d. If **yes**, provide the actual intake flow of the Independent Supplier's CWIS that is/will be used to provide water for cooling purposes and proceed: Click to enter text.

d. 316(b) General Criteria

1. The CWIS(s) used to provide water for cooling purposes to the facility has or will have a cumulative design intake flow of 2 MGD or greater.

☐ Yes ☐ No

2. At least 25% of the total water withdrawn by the CWIS is/will be used at the facility exclusively for cooling purposes on an annual average basis.

☐ Yes ☐ No

3. The CWIS(s) withdraw(s)/propose(s) to withdraw water for cooling purposes from surface waters that meet the definition of Waters of the United States in *40 CFR § 122.2*.

☐ Yes ☐ No

If **no**, provide an explanation of how the waterbody does not meet the definition of Waters of the United States in *40 CFR § 122.2*: Click to enter text.

If **yes** to all three questions in Item 12.d, the facility **meets** the minimum criteria to be subject to the full requirements of Section 316(b) of the CWA. Proceed to **Item 12.f**.

If **no** to any of the questions in Item 12.d, the facility **does not meet** the minimum criteria to be subject to the full requirements of Section 316(b) of the CWA; however, a determination is required based upon BPJ. Proceed to **Item 12.e**.

e. The facility does not meet the minimum requirements to be subject to the fill requirements of Section 316(b) **and uses**/proposes **to use cooling towers**.

☐ Yes ☐ No

If **yes**, stop here. If **no**, complete Worksheet 11.0, Items 1.a, 1.b.1-3 and 6, 2.b.1, and 3.a to allow for a determination based upon BPJ.

f. Oil and Gas Exploration and Production

1. The facility is subject to requirements at 40 CFR Part 435, Subparts A or D.

☐ Yes ☐ No

If **yes**, continue. If **no**, skip to Item 12.g.

2. The facility is an existing facility as defined at 40 CFR § 125.92(k) or a new unit at an existing facility as defined at 40 CFR § 125.92(u).

☐ Yes ☐ No

If **yes**, complete Worksheet 11.0, Items 1.a, 1.b.1-3 and 6, 2.b.1, and 3.a to allow for a determination based upon BPJ. If **no**, skip to Item 12.g.3.

g. Compliance Phase and Track Selection

1. Phase I – New facility subject to 40 CFR Part 125, Subpart I

☐ Yes ☐ No

If **yes**, check the box next to the compliance track selection, attach the requested information, and complete Worksheet 11.0, Items 2 and 3, and Worksheet 11.2.

☐ Track I – AIF greater than 2 MGD, but less than 10 MGD

- Attach information required by *40 CFR §§ 125.86(b)(2)-(4)*.

☐ Track I – AIF greater than 10 MGD

- Attach information required by *40 CFR § 125.86(b)*.

☐ Track II

- Attach information required by *40 CFR § 125.86(c)*.

Attachment: Click to enter text.

2. Phase II – Existing facility subject to 40 CFR Part 125, Subpart J

☐ Yes ☐ No

If **yes**, complete Worksheets 11.0 through 11.3, as applicable.

3. Phase III – New facility subject to 40 CFR Part 125, Subpart N

☐ Yes ☐ No

If **yes**, check the box next to the compliance track selection and provide the requested information.

☐ Track I – Fixed facility

- Attach information required by 40 CFR § 125.136(b) and complete Worksheet 11.0, Items 2 and 3, and Worksheet 11.2.

☐ Track I – Not a fixed facility

- Attach information required by 40 CFR § 125.136(b) and complete Worksheet 11.0, Item 2 (except CWIS latitude/longitude under Item 2.a).

☐ Track II – Fixed facility

- Attach information required by 40 CFR § 125.136(c) and complete Worksheet 11.0, Items 2 and 3.

Attachment: Click to enter text.

Item 13. Permit Change Requests (Instructions, Page 48)

This item is only applicable to existing permitted facilities.

a. Is the facility requesting a **major amendment** of an existing permit?

☐ Yes ☒ No

If **yes**, list each request individually and provide the following information: 1) detailed information regarding the scope of each request and 2) a justification for each request. Attach any supplemental information or additional data to support each request.

Click to enter text.

b. Is the facility requesting any **minor amendments** to the permit?

☐ Yes ☒ No

If **yes**, list and describe each change individually.

Click to enter text.

c. Is the facility requesting any **minor modifications** to the permit?

☐ Yes ☒ No

If **yes**, list and describe each change individually.

Click to enter text.

Item 14. Laboratory Accreditation (Instructions, Page 49)

All laboratory tests performed must meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification*, which includes the following general exemptions from National Environmental Laboratory Accreditation Program (NELAP) certification requirements:

- The laboratory is an in-house laboratory and is:
  - periodically inspected by the TCEQ; or
  - located in another state and is accredited or inspected by that state; or
  - performing work for another company with a unit located in the same site; or
  - performing pro bono work for a governmental agency or charitable organization.
- The laboratory is accredited under federal law.
- The data are needed for emergency-response activities, and a laboratory accredited under the Texas Laboratory Accreditation Program is not available.
- The laboratory supplies data for which the TCEQ does not offer accreditation.

The applicant should review *30 TAC Chapter 25* for specific requirements.

The following certification statement shall be signed and submitted with every application. See the *Signature Page* section in the Instructions, for a list of designated representatives who may sign the certification.

CERTIFICATION:

I certify that all laboratory tests submitted with this application meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification.*

Printed Name: Stephen MacNeil

Title: Site Manager

Signature: Stephen MacNeil

Date: 11-13-2024

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 1.0: EPA CATEGORICAL EFFLUENT GUIDELINES

This worksheet **is required** for all applications for TPDES permits for discharges of wastewaters subject to EPA categorical effluent limitation guidelines (ELGs).

Item 1. Categorical Industries (Instructions, Page 53)

Is this facility subject to any 40 CFR categorical ELGs outlined on page 53 of the instructions?

☒ Yes ☐ No

If **no**, this worksheet is not required. If **yes**, provide the appropriate information below.

40 CFR Effluent Guideline

Industry	40 CFR Part
Plastic Processing	463

Item 2. Production/Process Data (Instructions, Page 54)

NOTE: For all TPDES permit applications requesting individual permit coverage for discharges of oil and gas exploration and production wastewater (discharges into or adjacent to water in the state, falling under the Oil and Gas Extraction Effluent Guidelines – 40 CFR Part 435), see Worksheet 12.0, Item 2 instead.

a. Production Data

Provide appropriate data for effluent guidelines with production-based effluent limitations.

Production Data

Subcategory	Actual Quantity/Day	Design Quantity/Day	Units
Not applicable	Not applicable	Not applicable	Not applicable

b. Organic Chemicals, Plastics, and Synthetic Fibers Manufacturing Data (40 CFR Part 414)

Provide each applicable subpart and the percent of total production. Provide data for metal-bearing and cyanide-bearing wastestreams, as required by *40 CFR Part 414, Appendices A and B*.

Percentage of Total Production

Subcategory	Percent of Total Production	Appendix A and B - Metals	Appendix A - Cyanide
Not applicable	Not applicable	Not applicable	Not applicable

c. Refineries (40 CFR Part 419)

Provide the applicable subcategory and a brief justification.

Not applicable

Item 3. Process/Non-Process Wastewater Flows (Instructions, Page 54)

Provide a breakdown of wastewater flow(s) generated by the facility, including both process and non-process wastewater flow(s). Specify which wastewater flows are to be authorized for discharge under this permit and the disposal practices for wastewater flows, excluding domestic, which are not to be authorized for discharge under this permit.

See Executive Summary Section 3

Item 4. New Source Determination (Instructions, Page 54)

Provide a list of all wastewater-generating processes subject to EPA categorical ELGs, identify the appropriate guideline Part and Subpart, and provide the date the process/construction commenced.

Wastewater Generating Processes Subject to Effluent Guidelines

Process	EPA Guideline Part	EPA Guideline Subpart	Date Process/ Construction Commenced
Contact Cooling Water	Part 463	A	February 1979

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 2.0: POLLUTANT ANALYSIS

Worksheet 2.0 **is required** for all applications submitted for a TPDES permit. Worksheet 2.0 is not required for applications for a permit to dispose of all wastewater by land disposal or for discharges solely of stormwater associated with industrial activities.

Item 1. General Testing Requirements (Instructions, Page 55)

a. Provide the date range of all sampling events conducted to obtain the analytical data submitted with this application (e.g., 05/01/2018-05/30/2018): Refer to Executive Summary Section 5

b. ☒ Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.

c. Read the general testing requirements in the instructions for important information about sampling, test methods, and MALs. If a contact laboratory was used, attach a list which includes the name, contact information, and pollutants analyzed for each laboratory/firm. **Attachment:** Refer to Executive Summary Section 6

Item 2. Specific Testing Requirements (Instructions, Page 56)

Attach correspondence from TCEQ approving submittal of less than the required number of samples, if applicable. **Attachment:** Not applicable

TABLE 1 and TABLE 2 (Instructions, Page 58)

Completion of Tables 1 and 2 is required for all external outfalls for all TPDES permit applications.

Table 1 for Outfall No.: 001
Samples are (check one): ☒ **Composite (BOD, TSS)** ☒ **Grab (COD, Oil and grease, pH)**

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
BOD (5-day)	<3.00	<3.00	<3.00	9.47
CBOD (5-day)				
Chemical oxygen demand	<3.36	<3.36	<3.36	<3.36
Total organic carbon				
Dissolved oxygen				
Ammonia nitrogen				
Total suspended solids	<2.00	<2.00	<2.00	<2.00
Nitrate nitrogen				
Total organic nitrogen				
Total phosphorus				
Oil and grease	<1.65	<1.85	<1.74	<1.57

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
Total residual chlorine				
Total dissolved solids				
Sulfate				
Chloride				
Fluoride				
Total alkalinity (mg/L as CaCO3)				
Temperature (°F)				
pH (standard units)	7.24	7.29	7.30	7.26

Table 2 for Outfall No.: 001 **Samples are (check one): ☒ Composite ☐ Grab**

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Aluminum, total					2.5
Antimony, total					5
Arsenic, total					0.5
Barium, total					3
Beryllium, total					0.5
Cadmium, total					1
Chromium, total					3
Chromium, hexavalent					3
Chromium, trivalent					N/A
Copper, total					2
Cyanide, available					2/10
Lead, total					0.5
Mercury, total					0.005/0.0005
Nickel, total					2
Selenium, total					5
Silver, total					0.5
Thallium, total					0.5
Zinc, total	18	14	101	8.62	5.0

TABLE 3 (Instructions, Page 58)

Completion of Table 3 **is required** for all **external outfalls** which discharge process wastewater.

Partial completion of Table 3 **is required** for all **external outfalls** which discharge non-process wastewater and stormwater associated with industrial activities commingled with other wastestreams (see instructions for additional guidance).

Table 3 for Outfall No.: 001 **Samples are (check one): ☐ Composite ☐ Grab**

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
Acrylonitrile					50
Anthracene					10
Benzene					10
Benzidine					50
Benzo(a)anthracene					5
Benzo(a)pyrene					5
Bis(2-chloroethyl)ether					10
Bis(2-ethylhexyl)phthalate					10
Bromodichloromethane [Dichlorobromomethane]					10
Bromoform					10
Carbon tetrachloride					2
Chlorobenzene					10
Chlorodibromomethane [Dibromochloromethane]					10
Chloroform					10
Chrysene					5
m-Cresol [3-Methylphenol]					10
o-Cresol [2-Methylphenol]					10
p-Cresol [4-Methylphenol]					10
1,2-Dibromoethane					10
m-Dichlorobenzene [1,3-Dichlorobenzene]					10
o-Dichlorobenzene [1,2-Dichlorobenzene]					10
p-Dichlorobenzene [1,4-Dichlorobenzene]					10
3,3'-Dichlorobenzidine					5
1,2-Dichloroethane					10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
1,1-Dichloroethene [1,1-Dichloroethylene]					10
Dichloromethane [Methylene chloride]					20
1,2-Dichloropropane					10
1,3-Dichloropropene [1,3-Dichloropropylene]					10
2,4-Dimethylphenol					10
Di-n-Butyl phthalate					10
Ethylbenzene					10
Fluoride					500
Hexachlorobenzene					5
Hexachlorobutadiene					10
Hexachlorocyclopentadiene					10
Hexachloroethane					20
Methyl ethyl ketone					50
Nitrobenzene					10
N-Nitrosodiethylamine					20
N-Nitroso-di-n-butylamine					20
Nonylphenol					333
Pentachlorobenzene					20
Pentachlorophenol					5
Phenanthrene					10
Polychlorinated biphenyls (PCBs) (**)					0.2
Pyridine					20
1,2,4,5-Tetrachlorobenzene					20
1,1,2,2-Tetrachloroethane					10
Tetrachloroethene [Tetrachloroethylene]					10
Toluene					10
1,1,1-Trichloroethane					10
1,1,2-Trichloroethane					10
Trichloroethene [Trichloroethylene]					10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
2,4,5-Trichlorophenol					50
TTHM (Total trihalomethanes)					10
Vinyl chloride					10

(*) Indicate units if different from µg/L.

(**) Total of detects for PCB-1242, PCB-1254, PCB-1221, PCB-1232, PCB-1248, PCB-1260, and PCB-1016. If all non-detects, enter the highest non-detect preceded by a "<".

TABLE 4 (Instructions, Pages 58-59)

Partial completion of Table 4 **is required** for each **external outfall** based on the conditions below.

a. **Tributyltin**

Is this facility an industrial/commercial facility which currently or proposes to directly dispose of wastewater from the types of operations listed below or a domestic facility which currently or proposes to receive wastewater from the types of industrial/commercial operations listed below?

☐ Yes ☒ No

If **yes**, check the box next to each of the following criteria which apply and provide the appropriate testing results in Table 4 below (check all that apply).

☐ Manufacturers and formulators of tributyltin or related compounds.

☐ Painting of ships, boats and marine structures.

☐ Ship and boat building and repairing.

☐ Ship and boat cleaning, salvage, wrecking and scaling.

☐ Operation and maintenance of marine cargo handling facilities and marinas.

☐ Facilities engaged in wood preserving.

☐ Any other industrial/commercial facility for which tributyltin is known to be present, or for which there is any reason to believe that tributyltin may be present in the effluent.

b. **Enterococci (discharge to saltwater)**

This facility discharges/proposes to discharge directly into saltwater receiving waters **and** Enterococci bacteria are expected to be present in the discharge based on facility processes.

☐ Yes ☒ No

Domestic wastewater is/will be discharged.

☐ Yes ☒ No

If **yes to either** question, provide the appropriate testing results in Table 4 below.

c. E. coli (discharge to freshwater)

This facility discharges/proposes to discharge directly into freshwater receiving waters **and** *E. coli* bacteria are expected to be present in the discharge based on facility processes.

☐ Yes ☒ No

Domestic wastewater is/will be discharged.

☐ Yes ☒ No

If **yes to either** question, provide the appropriate testing results in Table 4 below.

Table 4 for Outfall No.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

Pollutant	**Sample 1**	**Sample 2**	**Sample 3**	**Sample 4**	**MAL**
Tributyltin (µg/L)					0.010
Enterococci (cfu or MPN/100 mL)					N/A
E. coli (cfu or MPN/100 mL)					N/A

TABLE 5 (Instructions, Page 59)

Completion of Table 5 **is required** for all **external outfalls** which discharge process wastewater from a facility which manufactures or formulates pesticides or herbicides or other wastewaters which may contain pesticides or herbicides.

If this facility does not/will not manufacture or formulate pesticides or herbicides and does not/will not discharge other wastewaters that may contain pesticides or herbicides, check N/A.

☒ N/A

Table 5 for Outfall No.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

Pollutant	**Sample 1 (µg/L)***	**Sample 2 (µg/L)***	**Sample 3 (µg/L)***	**Sample 4 (µg/L)***	**MAL (µg/L)***
Aldrin					0.01
Carbaryl					5
Chlordane					0.2
Chlorpyrifos					0.05
4,4'-DDD					0.1
4,4'-DDE					0.1
4,4'-DDT					0.02
2,4-D					0.7
Danitol [Fenpropathrin]					—
Demeton					0.20
Diazinon					0.5/0.1
Dicofol [Kelthane]					1
Dieldrin					0.02
Diuron					0.090

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
Endosulfan I (*alpha*)					0.01
Endosulfan II (*beta*)					0.02
Endosulfan sulfate					0.1
Endrin					0.02
Guthion [Azinphos methyl]					0.1
Heptachlor					0.01
Heptachlor epoxide					0.01
Hexachlorocyclohexane (*alpha*)					0.05
Hexachlorocyclohexane (*beta*)					0.05
Hexachlorocyclohexane (*gamma*) [Lindane]					0.05
Hexachlorophene					10
Malathion					0.1
Methoxychlor					2.0
Mirex					0.02
Parathion (ethyl)					0.1
Toxaphene					0.3
2,4,5-TP [Silvex]					0.3

* Indicate units if different from µg/L.

TABLE 6 (Instructions, Page 59)

Completion of Table 6 **is required** for all **external outfalls**.

Table 6 for Outfall No.: 001 **Samples are (check one): ☒ Composite ☐ Grab**

Pollutants	Believed Present	Believed Absent	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)	MAL (µg/L)*
Bromide	☐	☐					400
Color (PCU)	☐	☐					—
Nitrate-Nitrite (as N)	☐	☐					—
Sulfide (as S)	☐	☐					—
Sulfite (as SO3)	☐	☐					—
Surfactants	☐	☐					—
Boron, total	☐	☐					20
Cobalt, total	☐	☐					0.3
Iron, total	☐	☐					7
Magnesium, total	☐	☐					20
Manganese, total	☐	☐					0.5
Molybdenum, total	☐	☐					1
Tin, total	☐	☐					5
Titanium, total	☐	☐					30

TABLE 7 (Instructions, Page 60)

Check the box next to any of the industrial categories applicable to this facility. If no categories are applicable, check N/A. If GC/MS testing is required, check the box provided to confirm the testing results for the appropriate parameters are provided with the application.

☐ N/A

Table 7 for Applicable Industrial Categories

Industrial Category	40 CFR Part	Volatiles Table 8	Acids Table 9	Bases/ Neutrals Table 10	Pesticides Table 11
☐ Adhesives and Sealants		☐ Yes	☐ Yes	☐ Yes	No
☐ Aluminum Forming	467	☐ Yes	☐ Yes	☐ Yes	No
☐ Auto and Other Laundries		☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Battery Manufacturing	461	☐ Yes	No	☐ Yes	No
☐ Coal Mining	434	No	No	No	No
☐ Coil Coating	465	☐ Yes	☐ Yes	☐ Yes	No
☐ Copper Forming	468	☐ Yes	☐ Yes	☐ Yes	No
☐ Electric and Electronic Components	469	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Electroplating	413	☐ Yes	☐ Yes	☐ Yes	No
☐ Explosives Manufacturing	457	No	☐ Yes	☐ Yes	No
☐ Foundries		☐ Yes	☐ Yes	☐ Yes	No
☐ Gum and Wood Chemicals - Subparts A,B,C,E	454	☐ Yes	☐ Yes	No	No
☐ Gum and Wood Chemicals - Subparts D,F	454	☐ Yes	☐ Yes	☐ Yes	No
☐ Inorganic Chemicals Manufacturing	415	☐ Yes	☐ Yes	☐ Yes	No
☐ Iron and Steel Manufacturing	420	☐ Yes	☐ Yes	☐ Yes	No
☐ Leather Tanning and Finishing	425	☐ Yes	☐ Yes	☐ Yes	No
☐ Mechanical Products Manufacturing		☐ Yes	☐ Yes	☐ Yes	No
☐ Nonferrous Metals Manufacturing	421,471	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Oil and Gas Extraction - Subparts A, D, E, F, G, H	435	☐ Yes	☐ Yes	☐ Yes	No
☐ Ore Mining - Subpart B	440	No	☐ Yes	No	No
☐ Organic Chemicals Manufacturing	414	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Paint and Ink Formulation	446,447	☐ Yes	☐ Yes	☐ Yes	No
☐ Pesticides	455	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Petroleum Refining	419	☐ Yes	No	No	No
☐ Pharmaceutical Preparations	439	☐ Yes	☐ Yes	☐ Yes	No
☐ Photographic Equipment and Supplies	459	☐ Yes	☐ Yes	☐ Yes	No
☐ Plastic and Synthetic Materials Manufacturing	414	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☒ Plastic Processing	463	☒ Yes	No	No	No
☐ Porcelain Enameling	466	No	No	No	No
☐ Printing and Publishing		☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Pulp and Paperboard Mills - Subpart C	430	☐ *	☐ Yes	☐ *	☐ Yes
☐ Pulp and Paperboard Mills - Subparts F, K	430	☐ *	☐ Yes	☐ *	☐ *
☐ Pulp and Paperboard Mills - Subparts A, B, D, G, H	430	☐ Yes	☐ Yes	☐ *	☐ *
☐ Pulp and Paperboard Mills - Subparts I, J, L	430	☐ Yes	☐ Yes	☐ *	☐ Yes
☐ Pulp and Paperboard Mills - Subpart E	430	☐ Yes	☐ Yes	☐ Yes	☐ *
☐ Rubber Processing	428	☐ Yes	☐ Yes	☐ Yes	No
☐ Soap and Detergent Manufacturing	417	☐ Yes	☐ Yes	☐ Yes	No
☐ Steam Electric Power Plants	423	☐ Yes	☐ Yes	No	No
☐ Textile Mills (Not Subpart C)	410	☐ Yes	☐ Yes	☐ Yes	No
☐ Timber Products Processing	429	☐ Yes	☐ Yes	☐ Yes	☐ Yes

* Test if believed present.

TABLES 8, 9, 10, and 11 (Instructions, Page 60)

Completion of Tables 8, 9, 10, and 11 **is required** as specified in Table 7 for all **external outfalls** that contain process wastewater.

Completion of Tables 8, 9, 10, and 11 **may be required** for types of industry not specified in Table 7 for specific parameters that are believed to be present in the wastewater.

Table 8 for Outfall No.: 001 **Samples are (check one): ☐ Composite ☒ Grab**

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Acrolein					50
Acrylonitrile					50
Benzene					10
Bromoform					10
Carbon tetrachloride					2
Chlorobenzene					10
Chlorodibromomethane					10
Chloroethane					50
2-Chloroethylvinyl ether					10
Chloroform					10
Dichlorobromomethane [Bromodichloromethane]					10
1,1-Dichloroethane					10
1,2-Dichloroethane					10
1,1-Dichloroethylene [1,1-Dichloroethene]					10
1,2-Dichloropropane					10
1,3-Dichloropropylene [1,3-Dichloropropene]					10
Ethylbenzene					10
Methyl bromide [Bromomethane]					50
Methyl chloride [Chloromethane]					50
Methylene chloride [Dichloromethane]					20
1,1,2,2-Tetrachloroethane					10
Tetrachloroethylene [Tetrachloroethene]					10
Toluene					10
1,2-Trans-dichloroethylene [1,2-Trans-dichloroethene]					10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
1,1,1-Trichloroethane					10
1,1,2-Trichloroethane					10
Trichloroethylene [Trichloroethene]					10
Vinyl chloride					10

* Indicate units if different from µg/L.

Table 9 for Outfall No.: Not applicable **Samples are (check one): ☐ Composite ☐ Grab**

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
2-Chlorophenol					10
2,4-Dichlorophenol					10
2,4-Dimethylphenol					10
4,6-Dinitro-o-cresol					50
2,4-Dinitrophenol					50
2-Nitrophenol					20
4-Nitrophenol					50
p-Chloro-m-cresol					10
Pentachlorophenol					5
Phenol					10
2,4,6-Trichlorophenol					10

* Indicate units if different from µg/L.

Table 10 for Outfall No.: Not applicable **Samples are (check one): ☐ Composite ☐ Grab**

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Acenaphthene					10
Acenaphthylene					10
Anthracene					10
Benzidine					50
Benzo(a)anthracene					5
Benzo(a)pyrene					5
3,4-Benzofluoranthene [Benzo(b)fluoranthene]					10
Benzo(ghi)perylene					20
Benzo(k)fluoranthene					5
Bis(2-chloroethoxy)methane					10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Bis(2-chloroethyl)ether					10
Bis(2-chloroisopropyl)ether					10
Bis(2-ethylhexyl)phthalate					10
4-Bromophenyl phenyl ether					10
Butylbenzyl phthalate					10
2-Chloronaphthalene					10
4-Chlorophenyl phenyl ether					10
Chrysene					5
Dibenzo(a,h)anthracene					5
1,2-Dichlorobenzene [o-Dichlorobenzene]					10
1,3-Dichlorobenzene [m-Dichlorobenzene]					10
1,4-Dichlorobenzene [p-Dichlorobenzene]					10
3,3'-Dichlorobenzidine					5
Diethyl phthalate					10
Dimethyl phthalate					10
Di-n-butyl phthalate					10
2,4-Dinitrotoluene					10
2,6-Dinitrotoluene					10
Di-n-octyl phthalate					10
1,2-Diphenylhydrazine (as Azobenzene)					20
Fluoranthene					10
Fluorene					10
Hexachlorobenzene					5
Hexachlorobutadiene					10
Hexachlorocyclopentadiene					10
Hexachloroethane					20
Indeno(1,2,3-cd)pyrene					5
Isophorone					10
Naphthalene					10
Nitrobenzene					10
N-Nitrosodimethylamine					50

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
N-Nitrosodi-n-propylamine					20
N-Nitrosodiphenylamine					20
Phenanthrene					10
Pyrene					10
1,2,4-Trichlorobenzene					10

* Indicate units if different from µg/L.

Table 11 for Outfall No.: Not applicable **Samples are (check one): ☐ Composite ☐ Grab**

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Aldrin					0.01
alpha-BHC [alpha-Hexachlorocyclohexane]					0.05
beta-BHC [beta-Hexachlorocyclohexane]					0.05
gamma-BHC [gamma-Hexachlorocyclohexane]					0.05
delta-BHC [delta-Hexachlorocyclohexane]					0.05
Chlordane					0.2
4,4'-DDT					0.02
4,4'-DDE					0.1
4,4'-DDD					0.1
Dieldrin					0.02
Endosulfan I (alpha)					0.01
Endosulfan II (beta)					0.02
Endosulfan sulfate					0.1
Endrin					0.02
Endrin aldehyde					0.1
Heptachlor					0.01
Heptachlor epoxide					0.01
PCB 1242					0.2
PCB 1254					0.2
PCB 1221					0.2
PCB 1232					0.2
PCB 1248					0.2

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
PCB 1260					0.2
PCB 1016					0.2
Toxaphene					0.3

* Indicate units if different from µg/L.

Attachment: Click to enter text.

TABLE 12 (DIOXINS/FURAN COMPOUNDS)

Complete of Table 12 **is required** for **external outfalls**, as directed below. (Instructions, Pages 59-60)

Indicate which compound(s) are manufactured or used at the facility and provide a brief description of the conditions of its/their presence at the facility (check all that apply).

- ☐ 2,4,5-trichlorophenoxy acetic acid (2,4,5-T) CASRN 93-76-5
- ☐ 2-(2,4,5-trichlorophenoxy) propanoic acid (Silvex, 2,4,5-TP) CASRN 93-72-1
- ☐ 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate (Erbon) CASRN 136-25-4
- ☐ 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate (Ronnel) CASRN 299-84-3
- ☐ 2,4,5-trichlorophenol (TCP) CASRN 95-95-4
- ☐ hexachlorophene (HCP) CASRN 70-30-4
- ☒ None of the above

Description: Click to enter text.

Does the applicant or anyone at the facility know or have any reason to believe that 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) or any congeners of TCDD may be present in the effluent proposed for discharge?

☐ Yes ☒ No

Description: Click to enter text.

If **yes** to either Items a **or** b, complete Table 12 as instructed.

Table 12 for Outfall No.: Not applicable **Samples are (check one):** ☐ **Composite** ☐ **Grab**

Compound	Toxicity Equivalent Factors	Wastewater Concentration (ppq)	Wastewater Toxicity Equivalents (ppq)	Sludge Concentration (ppt)	Sludge Toxicity Equivalents (ppt)	MAL (ppq)
2,3,7,8-TCDD	1					10
1,2,3,7,8-PeCDD	1.0					50
2,3,7,8-HxCDDs	0.1					50
1,2,3,4,6,7,8-HpCDD	0.01					50

Compound	Toxicity Equivalent Factors	Wastewater Concentration (ppq)	Wastewater Toxicity Equivalents (ppq)	Sludge Concentration (ppt)	Sludge Toxicity Equivalents (ppt)	MAL (ppq)
2,3,7,8-TCDF	0.1					10
1,2,3,7,8-PeCDF	0.03					50
2,3,4,7,8-PeCDF	0.3					50
2,3,7,8-HxCDFs	0.1					50
2,3,4,7,8-HpCDFs	0.01					50
OCDD	0.0003					100
OCDF	0.0003					100
PCB 77	0.0001					500
PCB 81	0.0003					500
PCB 126	0.1					500
PCB 169	0.03					500
Total						

TABLE 13 (HAZARDOUS SUBSTANCES)

Complete Table 13 **is required** for all **external outfalls** as directed below. (Instructions, Pages 60-61)

Are there any pollutants listed in the instructions (pages 55-62) believed present in the discharge?

☐ Yes ☒ No

Are there pollutants listed in Item 1.c. of Technical Report 1.0 which are believed present in the discharge and have not been analytically quantified elsewhere in this application?

☐ Yes ☐ No

If **yes** to either Items a **or** b, complete Table 13 as instructed.

Table 13 for Outfall No.: Not applicable **Samples are (check one):** ☐ **Composite** ☐ **Grab**

Pollutant	CASRN	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	Analytical Method

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 4.0: RECEIVING WATERS

This worksheet **is required** for all TPDES permit applications.

Item 1. Domestic Drinking Water Supply (Instructions, Page 80)

a. There is a surface water intake for domestic drinking water supply located within 5 (five) miles downstream from the point/proposed point of discharge.

☐ Yes ☒ No

If **no**, stop here and proceed to Item 2. If **yes**, provide the following information:

1. The legal name of the owner of the drinking water supply intake: Click to enter text.
2. The distance and direction from the outfall to the drinking water supply intake: Click to enter text.

b. Locate and identify the intake on the USGS 7.5-minute topographic map provided for Administrative Report 1.0.

☐ Check this box to confirm the above requested information is provided.

Item 2. Discharge Into Tidally Influenced Waters (Instructions, Page 80)

If the discharge is to tidally influenced waters, complete this section. Otherwise, proceed to Item 3. (Not applicable)

a. Width of the receiving water at the outfall: Click to enter text. feet

b. Are there oyster reefs in the vicinity of the discharge?

☐ Yes ☐ No

If **yes**, provide the distance and direction from the outfall(s) to the oyster reefs: Click to enter text.

c. Are there sea grasses within the vicinity of the point of discharge?

☐ Yes ☐ No

If **yes**, provide the distance and direction from the outfall(s) to the grasses: Click to enter text.

Item 3. Classified Segment (Instructions, Page 80)

The discharge is/will be directly into (or within 300 feet of) a classified segment.

☐ Yes ☒ No

If **yes**, stop here and do not complete Items 4 and 5 of this worksheet or Worksheet 4.1.

If **no**, complete Items 4 and 5 and Worksheet 4.1 may be required.

Item 4. Description of Immediate Receiving Waters (Instructions, Page 80)

a. Name of the immediate receiving waters: Unnamed Ditch

b. Check the appropriate description of the immediate receiving waters:

☐ Lake or Pond

- Surface area (acres): Click to enter text.
- Average depth of the entire water body (feet): Click to enter text.
- Average depth of water body within a 500-foot radius of the discharge point (feet): Click to enter text.

☒ Man-Made Channel or Ditch

☐ Stream or Creek

☐ Freshwater Swamp or Marsh

☐ Tidal Stream, Bayou, or Marsh

☐ Open Bay

☐ Other, specify:

If **Man-Made Channel or Ditch** or **Stream or Creek** were selected above, provide responses to Items 4.c – 4.g below:

c. For **existing discharges**, check the description below that best characterizes the area **upstream** of the discharge.

For **new discharges**, check the description below that best characterizes the area **downstream** of the discharge.

☒ Intermittent (dry for at least one week during most years)

☐ Intermittent with Perennial Pools (enduring pools containing habitat to maintain aquatic life uses)

☐ Perennial (normally flowing)

Check the source(s) of the information used to characterize the area upstream (existing discharge) or downstream (new discharge):

☐ USGS flow records

☒ personal observation

☐ historical observation by adjacent landowner(s)

☐ other, specify: Click to enter text.

d. List the names of all perennial streams that join the receiving water within three miles downstream of the discharge point: Taylor Bayou

e. The receiving water characteristics change within three miles downstream of the discharge (e.g., natural or man-made dams, ponds, reservoirs, etc.).

☒ Yes ☐ No

If **yes**, describe how: See Executive Summary Section 3

f. General observations of the water body during normal dry weather conditions: Outfall 001 discharges into a vegetated unnamed ditch that is intermittently influenced by upstream stormwater runoff.

Date and time of observation: October 25, 2024; 11:30am

g. The water body was influenced by stormwater runoff during observations.

☐ Yes ☒ No

If **yes**, describe how: Click to enter text.

Item 5. General Characteristics of Water Body (Instructions, Page 81)

a. Is the receiving water upstream of the existing discharge or proposed discharge site influenced by any of the following (check all that apply):

☐ oil field activities
☐ agricultural runoff
☐ upstream discharges
☐ urban runoff
☐ septic tanks
☒ other, specify: Stormwater from TX-146

b. Uses of water body observed or evidence of such uses (check all that apply):

☐ livestock watering
☐ non-contact recreation
☐ domestic water supply
☐ contact recreation
☐ fishing
☐ industrial water supply
☐ irrigation withdrawal
☐ navigation
☐ picnic/park activities
☒ other, specify: Stormwater Drainage

c. Description which best describes the aesthetics of the receiving water and the surrounding area (check only one):

☐ **Wilderness:** outstanding natural beauty; usually wooded or un-pastured area: water clarity exceptional

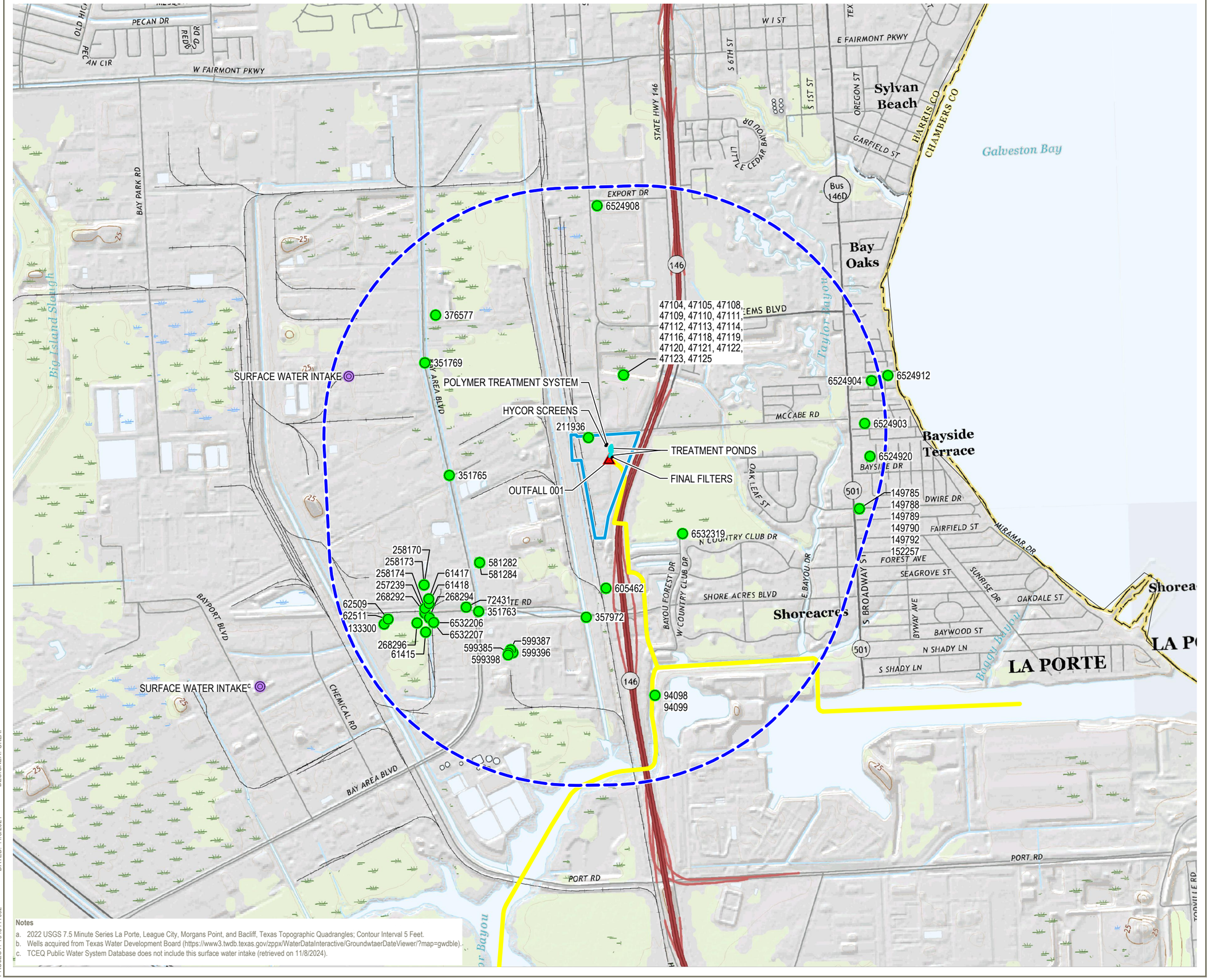
☐ **Natural Area:** trees or native vegetation common; some development evident (from fields, pastures, dwellings); water clarity discolored

☒ **Common Setting:** not offensive, developed but uncluttered; water may be colored or turbid

☐ **Offensive:** stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

FIGURES

L:\Loop Project Files_CAD\1940\1940111092_Ingenia_2024_TPDES_Permit\01_USGS Topo Map.dwg



Notes

a. 2022 USGS 7.5 Minute Series La Porte, League City, Morgans Point, and Bacliff, Texas Topographic Quadrangles; Contour Interval 5 Feet.
b. Wells acquired from Texas Water Development Board (https://www3.twdb.texas.gov/zppx/WaterDataInteractive/GroundwtaerDateViewer/?map=gwdble).
c. TCEQ Public Water System Database does not include this surface water intake (retrieved on 11/8/2024).

N

- PROPERTY BOUNDARY (APPROXIMATE)
- ONE-MILE RADIUS
- DISCHARGE ROUTE
- TREATMENT PLANT
- TREATMENT PONDS
- OUTFALL
- SURFACE WATER INTAKE FROM TCEQ PUBLIC WATER SYSTEM DATABASE
- WELLS FROM TWDB (TEXAS WATER DEVELOPMENT BOARD DATABASE)

KEY MAP

0 2,000 Feet

USGS TOPOGRAPHIC MAP

INGENIA POLYMERS, INC.
1300 MCCABE ROAD
LA PORTE, TEXAS

FIGURE 01

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

DESIGNER: CKLAI
DATED: 11/8/2024
PROJECT: 1940111092

PROPERTY BOUNDARY (APPROXIMATE)

Notes

1. SILOS FOR MATERIAL STORAGE LOCATED THROUGHOUT FACILITY; INDIVIDUAL SILOS NOT DISPLAYED ON THIS MAP.
2. WASTEWATER AND STORMWATER FROM THE PROCESSING AREAS FLOWS VIA DRAINAGE SYSTEM TO COLLECTION SUMPS THAT DIRECT THE COMBINED WATERS TO THE HYCOR SCREENS. INDIVIDUAL SEWERS AND COLLECTION SUMPS ARE NOT DISPLAYED ON THIS MAP.
3. WATER SUPPLY WELL No. 11445 IS SUBMITTED DRILLER'S WELL REPORT No. 211936.

0 250 Feet

Source
Aerial imagery: Google Earth. Image date FEB 2023

FACILITY MAP

INGENIA POLYMERS INC.
1300 McCABE ROAD
LAPORTE, TEXAS

FIGURE 2

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

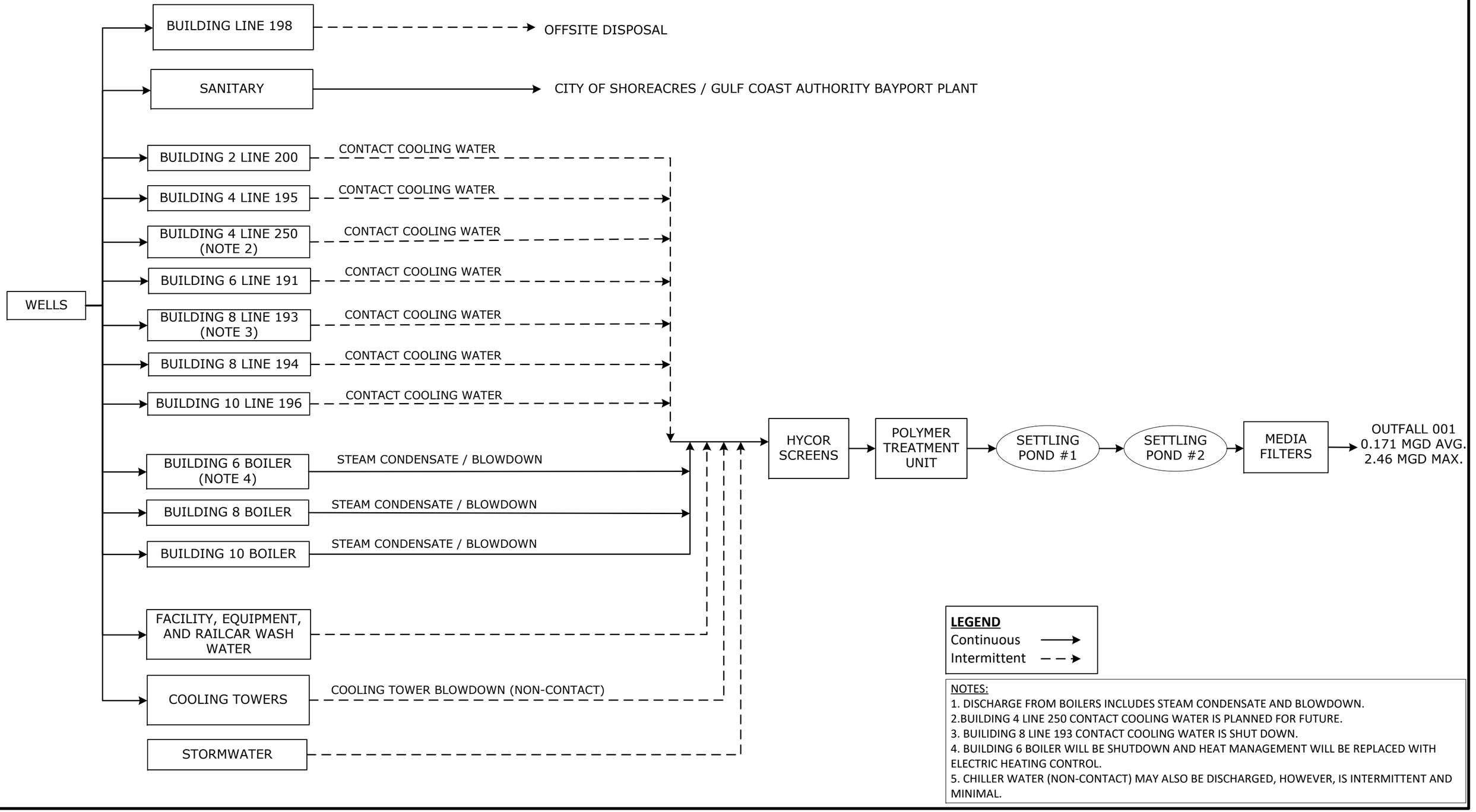
RAMBOLL

PROJECT: 1940111092 DATED: 11/7/2024 DESIGNER: HRTHOMPSON
C:\DC\ACCDocs\Ramboll Gruppen AS\RUS-1940111092 Ingenia Permit Renewal\Project Files\4 Delivery\40 WIP\405 Process Mechanical\1940111092_FIG 2_FACILITY MAP.dwg

Ingenia Polymers, Inc. 1300 McCabe Road, La Porte, TX 77571

INGENIA

Figure 3: Facility Map Production Lines



RAMBOLL

DRAFTED BY: KLONG | DATE: 15NOVEMBER2024

Ingenia Polymers, Inc.
WWTP Flow Schematic and Facility Water Balance
LaPorte, Texas

FIGURE 4

PROJECT: 1940111092

ATTACHMENT 1: PLAIN LANGUAGE SUMMARY

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

Plain Language Summary Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

Applicants should use this template to develop a plain language summary as required by Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H. Applicants may modify the template as necessary to accurately describe their facility as long as the summary includes the following information: (1) the function of the proposed plant or facility; (2) the expected output of the proposed plant or facility; (3) the expected pollutants that may be emitted or discharged by the proposed plant or facility; and (4) how the applicant will control those pollutants, so that the proposed plant will not have an adverse impact on human health or the environment.

Fill in the highlighted areas below to describe your facility and application in plain language. Instructions and examples are provided below. Make any other edits necessary to improve readability or grammar and to comply with the rule requirements.

If you are subject to the alternative language notice requirements in 30 TAC Section 39.426, **you must provide a translated copy of the completed plain language summary in the appropriate alternative language as part of your application package**. For your convenience, a Spanish template has been provided below.

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS INDUSTRIAL WASTEWATER/STORMWATER

The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 TAC Chapter 39. The information provided in this summary may change during the technical review of the application and is not a federal enforceable representation of the permit application.

Ingenia Polymers, Inc. (CN602932154) operates Ingenia Polymers LaPorte Plant (RN# 101613370), a plastics compounding plant. The facility is located at 1300 McCabe Road, in LaPorte, Harris County, Texas 77571. Ingenia is applying for the renewal of their TPDES permit (WQ0003608000). Discharges from the facility are expected to contain biological oxygen demand, pH, chemical oxygen demand, total suspended solids, oil and grease, and zinc. Contact cooling water, non-contact cooling water, boiler blowdown and steam condensate, facility/equipment and railcar wash water, and process area stormwater are discharged via Outfall 001. These discharges are treated by screens, polymer addition for enhanced solids settling, two settling ponds in series, and media filters. The discharge via Outfall 001 is subject to federal effluent limitations guidelines at 40 CFR Part 463.

PLANTILLA EN ESPAÑOL PARA SOLICITUDES NUEVAS/RENOVACIONES/ENMIENDAS DE TPDES o TLAP

AGUAS RESIDUALES INDUSTRIALES **/AGUAS PLUVIALES**

El siguiente resumen se proporciona para esta solicitud de permiso de calidad del agua pendiente que está siendo revisada por la Comisión de Calidad Ambiental de Texas según lo requerido por el Capítulo 39 del Código Administrativo de Texas 30. La información proporcionada en este resumen puede cambiar durante la revisión técnica de la solicitud y no es una representación ejecutiva fedérale de la solicitud de permiso.

Ingenia Polymers, Inc. (CN602932154) opera la planta Ingenia Polymers LaPorte (RN# 101613370), una planta de compuestos de plástico. Lasinstalaciones están ubicadas en 1300 McCabe Road, en LaPorte, condado de Harris, Texas 77571. Ingenia está solicitando la renovación de su permiso TPDES (WQ0003608000). Se espera que las descargas de las instalaciones contengan demanda biológica de oxígeno, pH, demanda química de oxígeno, sólidos suspendidos totales, aceite, grasa, y zinc. El agua de enfriamiento por contacto, el agua de enfriamiento sin contacto, la purga de la caldera y el condensado de vapor, el agua de lavado de instalaciones/equipos y vagones, así como las aguas pluviales del área de proceso se descargan a través del desagüe 001. Estas descargas se tratan mediante tamices, adición de polímeros para mejorar la sedimentación de sólidos, dos estanques de sedimentación en serie y filtros de medios. La descarga a través del desagüe 001 está sujeta a las pautas federales de limitaciones de efluentes de la Parte 463 del Título 40 del Código de Reglamentos Federales (CFR).

ATTACHMENT 2: RAW MATERIALS, INTERMEDIATE PRODUCTS, AND FINAL PRODUCTS LIST

Ingenia Polymers, Inc.
La Porte, TX
Attachment 2 - Raw Materials, Intermediates, and Products

Materials List	Main Ingredient and/or Primary Use
Exxon LD516.LN- Premier Polymers	Low Density Polyethylene
Exxon, LL6100.17- ExxonMobil Chemical co.	Linear Low density Polyethylene
Crodamide ER--- Croda USA	Fatty Acid Additive
Univar Chemicals- Citric Acid	Acid Additive
Dowlex Carrier Grade resin- Dow Chemical	Linear Low density Polyethylene
Omyacarb 735 FL- Omya Unc.	Calcium Carbonate
Polybloc Talc- Specialty Minerals	Anti-bloc talc
Irgafos 168 FF-- BASF	Phosphite Processing Stabilizer
Min-bloc HC1400-Nepheline Syenite. Unimin Specialty Minerals	Mineral Additive
Mistron NT. Imerys Minerals	Anti-bloc talc
Superfloss MX- Imerys Minerals	Diatomaceous Earth- Silica
Armoslip E, PMC Biogenix	Erucamide -Fatty Acid
Songnox 1680 FF, Songwon, International	Antioxidant
Syloid 74x6500, Grace Davidson	Matting Agent- Synthetic Silica
Hostastat 154, Clariant	Laurylamide
Calcium Stearate 500F, Ferro- Valtris	Calcium Stearate
Celabrite, EP Minerals	Diatomaceous Earth- Silica
Songnox 417B PW, Songwon International	Antoxidant
Doverphos 4 HPHR Plus-- Dover Chemicals	Polymer Stabilizer
Cimbar XF, Cimbar Performance Minerals	Barium Sulphate
Kynarflex 5300, Arkema	Fluorinated Process Aid
Union Carbide - DFDA-7043 NT	Pelleted Thermoplastic Polythethylene Compounds
Irganox B900, BASF	Polyner Stabilizer
Ti-Pure R-101, Chemours, Inc.	Titanium Dioxide
AZ077 HAS, U.S. Zinc	Zinc Oxide
Polyolefin Compounds	Concentrated Polymers

ATTACHMENT 3: WATER CHEMICAL ADDITIVES LIST, PESTICIDES AND HERBICIDES LIST, AND RESPECTIVE SDS'S

Ingenia Polymers, Inc.
La Porte, Texas
Attachment 3: Water Chemical Additives List
(SDS for the chemicals listed follow in this attachment)

Product Name	Product Composition (%)	Product Use	Cooling Tower, Boiler/Steam System, Potable Water or Wastewater Chemical	Frequency of Use	Estimated Concentration at Outfall 001 (mg/L)	Toxicity Data
Diamond Crystal® Bright & Soft™ Salt Pellets	See SDS	Water Softener	Boiler/Steam System	TBD	TBD	See SDS
Brommax 7.1	See SDS	Antimicrobial	Cooling Water	TBD	TBD	See SDS
GWT-2115	See SDS	Scale/Corrosion Inhibitor	Cooling Tower	TBD	TBD	See SDS
Liquichlor® 12.5% Solution	See SDS	Biocide	Potable Water	TBD	TBD	See SDS
AOS 7101	See SDS	Pretreating Agent	Wastewater	TBD	TBD	See SDS
Water Treatment Services, Inc. - WTS-100	See SDS	Scale/Corrosion Inhibitor	Boiler/Steam System	Daily	TBD	See SDS
Water Treatment Services, Inc. - WTS-250	See SDS	Neutralizing Amine	Boiler/Steam System	Daily	TBD	See SDS
Water Treatment Services, Inc. - WTS-200	See SDS	Scale/Corrosion Inhibitor	Boiler/Steam System	Daily	TBD	See SDS
Water Treatment Services, Inc. - WTS-230	See SDS	Oxygen Scavenger	Boiler/Steam System	Daily	TBD	See SDS
Justeq, LLC - Justeq07	See SDS	Alkaline Antimicrobial Solution	Boiler/Steam System	Daily	TBD	See SDS
Water Treatment Services, Inc. - WTS-360	See SDS	Pretreating Agent	Boiler/Steam System	Daily	TBD	See SDS
Orkin Final All Weather Blox	See SDS	Herbicide Treatment	Herbicide	As needed	-	See SDS

SAFETY DATA SHEET

WTS-250

NEUTRALIZING AMINE

Water Treatment Services, Inc.
WTS
1514 Austin
South Houston, TX 77587
phone: 713.943.8952
fax: 713.943.0665
www.wtsi.cc

IDENTIFICATION

Product Name:	**WTS-250**
Revision Date:	9/17/2015
Manufacturer Information:	Water Treatment Services, Inc. 1514 Austin Street South Houston, Texas 77587 713-943-8952
Emergency Phone:	ChemTel 1-800-255-3924

HAZARDS IDENTIFICATION

Signal Word: DANGER

Hazard Statements:
H302: Harmful if swallowed.
H314: Causes severe sin burns and eye damage.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Pictogram:

Precautionary Statements:
P264: Wash (hands) thoroughly after handling.
P260: Do not breathe dust/fume/gas/mist/vapors/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response Statements:
P280: Wear protective gloves / protective clothing.
P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P307 + P311: IF exposed: Call a POISON CENTER or doctor / physician.

Potential Health Effects:
EYES: Causes eye irritation.

SKIN: Causes skin irritation after excessive contact.

INHALATION: Harmful if inhaled. Causes respiratory tract irritation.

COMPOSITION / INFORMATION ON INGREDIENTS

Components of this mixture may be proprietary information. In the event of a medical emergency, compositional information will be provided to a physician or nurse.

CHEMICAL NAME	CAS #	% by wt.
Cyclohexylamine	108-91-8	15-20%
Morpholine	110-91-8	15-20%

FIRST AID MEASURES

Eye Exposure: Flush with clean, cool water for 15 minutes. Remove contact lenses. See a physician immediately, preferably an ophthalmologist.

Skin Exposure: Immediately flush skin with soap and running water for 15 minutes or until no traces remain. Remove and wash contaminated clothing. Seek immediate medical attention/advice. Discard contaminated shoes.

Ingestion: Never give anything by mouth to an unconscious person.
DO NOT induce vomiting. Rinse mouth and drink 1 or 2 glasses of water.
See a physician or transport to emergency facility immediately.

Inhalation: Remove individual to fresh air. If breathing has stopped, give artificial respiration or administer oxygen. Get medical attention immediately.

General Advice: In case of shortness of breath, give oxygen. Keep victim warm. Call a physician if symptoms develop or persist. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

FIRE-FIGHTING MEASURES

Flammable Properties: Not expected to burn.

Extinguishing Media: Water, foam, water spray, carbon dioxide, or dry chemical.

Specific methods: In case of fire, stop leak if safe to do so and cool tanks with water spray.
Evacuate area and fight fire from a safe distance.
Keep people away from and upwind of spill/leak.
Suppress (knock down) gases/vapors/mists with a water spray jet.
Do not allow run-off from fire fighting to enter drains or water courses.

Specific hazards: Fire may produce irritating, corrosive, and/or toxic gases.

Firefighting protective equipment: Wear self-contained breathing apparatus with a full facepiece operated pressure demand or other positive pressure mode and full body protective clothing when fighting fires.

Firefighting equipment/instructions: In the event of fire and/or explosion do not breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire. Move containers from fire area if you can do it without risk. Use water spray to cool unopened containers.

Specific methods: In the event of fire and/or explosion, do not breathe fumes. Use water spray to cool unopened containers. In the event of fire, cool tanks with water spray

ACCIDENTAL RELEASE MEASURES

Personal Precautions: Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering. Keep unnecessary personnel away. Stay upwind. Keep out of low areas.

Methods for Containment: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewers, basements or confined areas.

Methods for Clean-up: When handling or dealing with spills, wear protective clothing as indicated in the Personal Protective Equipment section. Cover wet spills with an inert absorbent before sweeping up and disposing. If drum contents are contaminated or decomposing, isolate unsealed drum in the open or in a well-ventilated area.

HANDLING AND STORAGE

Storage: Keep locked-up. The pressure in sealed containers can increase under the influence of heat. Keep container tightly closed. Keep in a well-ventilated place. Keep out of the reach of children. Keep away from heat and flame.

Handling: Do not handle or store near an open flame, heat or other sources of ignition. All equipment used when handling the product must be grounded. Do not breathe vapors or spray mist. Wear self-contained breathing apparatus and protective suit. Use only with adequate ventilation. Avoid release to the environment. Wash thoroughly after handling.

General Hygiene Considerations: When using, do not smoke. Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practice.

EXPOSURE CONTROLS / PERSONAL PROTECTION

CHEMICAL NAME	ACGIH TLV	OSHA PEL
Cyclohexylamine	10 ppm	
Morpholine	20 ppm	

Engineering measures: Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment:

Eye Protection: Face-shield.
Chemical resistant goggles must be worn.
Ensure that eyewash stations and safety showers are close to the workstation location.

Skin Protection: Chemical-resistant apron and boots. Wear chemical protective equipment that is specifically recommended by the manufacturer. Wear appropriate chemical resistant clothing. Closed-toe shoes recommended.

Hand protection: Solventl-resistant gloves.
Request information on glove permeation properties from the glove supplier.

PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance:	Slight amber
Odor:	Ammonia like
Odor threshold:	Not available
pH(neat):	Greater than 12.0 – 13.0
Solubility:	Complete in water
Vapor pressure:	Not available.
Vapor density:	Not available.
Specific gravity:	0.98
Boiling Point:	Greater than 259 ºF
Freezing Point:	Lower than 25 ºF
Flash point:	None below 95 ºF
Flammability limits in air, upper, % by volume:	Not available.
Flammability limits in air, lower, % by volume:	Not available.
Auto-ignition temperature:	Not available.
VOC:	100 % estimated
Viscosity:	20 cps
Percent volatile:	100 % estimated
Other data:	
Flash point class:	Not available.
Viscosity temperature:	77 °F (25 °C)

STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to Avoid: Heat, flames and sparks.

Incompatible Materials: Avoid contact with: Oxidizers, strong acids.

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, nitrogen oxides.

Hazardous Polymerization: Hazardous polymerization does not occur.

TOXICOLOGICAL INFORMATION

Chemical Name	Test Results
WTS-250	Acute Dermal LD50 Rabbit: <1000 mg/kg Acute Inhalation LC50 Rat: 1.5 mg/l/4h Acute Oral LD50 Rat: > 300 mg/kg

Eye Irritation: Corrosive
Skin Irritation: Corrosive
Sensitization: Not expected to be hazardous by OSHA criteria.

Chronic Effects: None known.

Carcinogenicity: Not expected to be hazardous by OSHA criteria.

Neurological effects: Not expected to be hazardous by OSHA criteria.

ECOLOGICAL INFORMATION

Ecotoxicological Data:

Chemical Name	Test Results
WTS-250	EC50 Daphnia: >400 mg/l 48 Hours LC50 Fish: >400 mg/l 96 hours estimated LC50 Rainbow Trout: >400 mg/l 96 Hours

Persistence: This product is believed not to be persistent in the environment.

Bioconcentration: This product is not believed to bioaccumulate.

Ecotoxicity: Components of this product have been identified as having potential moderate toxicity to aquatic animals.

DISPOSAL CONSIDERATIONS

Disposal Instructions: Do not allow this material to drain into sewers/water supplies. This product, in its present state,when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.20-24). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

TRANSPORTATION INFORMATION

Department of Transportation (DOT) Requirements

Basic Shipping Requirements

UN Number: UN2735
Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S.
Hazard Class: 8
Packing Group: II
Reportable Quantity (RQ): 1,000 lbs.
Additional Information:
Special Provisions: IB3, T7, TP1, TP28
Packaging exceptions: 154
Packaging Non Bulk: 203
Packaging Bulk: 241
ERG Number: 132

TGD

Basic Shipping Requirements:

Proper Shipping Name:	AMINES, LIQUID, CORROSIVE, N.O.S.
Hazard Class:	8
UN Number:	UN2735
Packing Group:	III
Additional Information:	
Special Provisions:	IB3, T7, TP1, TP28
Packaging Exceptions:	154
Basic Shipping Requirements:	
Labels Required:	8
Additional Information:	
Packaging Non bulk:	203
Packaging Bulk:	241

IMDG

Basic Shipping Requirements:

Proper Shipping Name:	AMINES, LIQUID, CORROSIVE, N.O.S.
Hazard Class:	8
UN Number:	UN2735
Packing Group:	III
EmS Number:	F-A, S-B

IATA

Basic Shipping Requirements:

Proper Shipping Name:	AMINES, LIQUID, CORROSIVE, N.O.S.
Hazard Class:	8
UN Number:	UN2735
Packing Group:	III
Additional Information:	
ERG Code:	8L

DOT

TDG

IATA

IMDG

REGULATORY INFORMATION

US Federal Regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2):
Not regulated

DEA Essential Chemical Code Number: Not regulated

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c)):
Not regulated

DEA Exempt Chemical Mixtures Code Number:
Not regulated

CERCLA (Superfund) Reportable Quantity:

Superfund Amendments and Reauthorization Act of 1986 (SARA):

Hazard Categories:
Immediate Hazard – Yes
Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 Extremely Hazardous Substance: No

Section 311 Hazardous Chemical: No

Inventory Status:

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

State regulations: This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US - New Jersey RTK - Substances: Listed substance

OTHER INFORMATION

HMIS		**NFPA**	
Health	1	Health Hazard	1
Flammability	0	Fire Hazard	0
Physical Hazard	0	Instability	0
Personal Protection	B	Specific Hazard	COR

Disclaimer: THIS PRODUCT'S HEALTH AND SAFETY INFORMATION IS PROVIDED TO ASSIST OUR CUSTOMERS IN ASSESSING COMPLIANCE WITH HEALTH, SAFETY AND ENVIRONMENTAL REGULATIONS. THE INFORMATION CONTAINED HEREIN IS BASED ON DATA AVAILABLE TO US, AND IS BELIEVED TO BE ACCURATE, ALTHOUGH NO GUARANTEE OR WARRANTY IS PROVIDED OR IMPLIED BY THE COMPANY IN THIS RESPECT. SINCE THE USE OF THIS PRODUCT IS WITHIN THE EXCLUSIVE CONTROL OF THE USER, IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE CONDITIONS OF SAFE USE. SUCH CONDITIONS MUST COMPLY WITH ALL GOVERNMENTAL REGULATIONS.

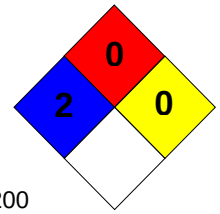
Issue date: Not available.

The information on this Material Safety Data Sheet reflects the latest information and data that we have on hazards, properties, and handling of this product under the recommended conditions of use. Any use of this product or method of application which is not described in the Product Data Sheet is the responsibility of the user.

This Material Safety Data Sheet was prepared to comply with the OSHA Hazard Communication regulations.

AOS Treatment Solutions, LLC

SAFETY DATA SHEET



This Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements and the International Chemical Safety Cards of the Global Harmonizing System. THIS SDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD). **IMPORTANT**: Read this SDS before handling & disposing of this product. Pass this information on to employees, customers & users of this product.

AOS 7101

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Common Name:	AOS 7101
Chemical Name:	Coagulant/Flocculant
DOT UN/NA Number:	UN 3264, 8, III, 8L
Proper Shipping Name:	Corrosive Liquid, Acidic, Inorganic, N.O.S. (Polyaluminum Chlorosulfate Solution)
Supplier:	AOS Treatment Solutions, LLC
Address:	14600 Cypress North Houston Road
City, State, Zip:	Cypress, TX 77429
Phone:	(936) 539-0040

FOR CHEMICAL EMERGENCY CALL CHEM-TEL (24 HOURS): - 1-800-255-3924

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: OSHA REGULATORY STATUS: This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29CFR 1910.1200).

Skin Corrosion/Irritation:	Category 2
Serious Eye Damage/Eye Irritation:	Category 2
Corrosive to Metals:	Category 1

PHYSICAL STATE	COLOR	APPEARANCE	ODOR
Liquid	Colorless to Yellow	Clear to slightly hazy	Slight Amine

HAZARD STATEMENTS:	Causes skin irritation Causes serious eye irritation May be corrosive to metals
PRECAUTIONARY STATEMENTS – PREVENTION:	Wash face, hands and any exposed skin thoroughly after handling Wear protective gloves/protective clothing/eye protection/face protection Keep only in original container
PRECAUTIONARY STATEMENTS – RESPONSE:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash before reuse Absorb spillage to prevent material damage
PRECAUTIONARY STATEMENTS – STORAGE:	Store in corrosive resistant container with a resistant inner liner
OTHER INFORMATION:	Not applicable.
UNKNOWN ACUTE TOXICITY:	4% of the mixture consists of ingredient(s) of unknown toxicity.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	TRADE SECRET	WT %
Trade Secret Ingredient	PROPRIETARY	*	25 – 35%

If CAS number is “proprietary”, the specific chemical identity and percentage of composition has been withheld as a trade secret.

*The exact percentage (concentration) of composition has been withheld as a trade secret.
SEE SECTIONS 8, 11 & 12 FOR TOXICOLOGICAL INFORMATION.

SECTION 4: FIRST AID MEASURES

EYE CONTACT:	Remove contact lenses if worn. Immediately flush with plenty of water for at least 15 minutes, holding eyelids apart to ensure flushing of the entire surface. Washing within one minute is essential to achieve maximum effectiveness. If eye irritation persists: Get medical advice/attention.
SKIN CONTACT:	Immediately flush with plenty of soap and water for at least 15 minutes. Remove contaminated clothing, including shoes. Medical attention may be necessary. Wash contaminated clothing before reuse.
INHALATION:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
SWALLOWING:	Seek immediate medical attention. Give large amounts of water to drink. If vomiting should occur spontaneously, keep airway clear. Never induce vomiting or give liquids to someone who is unconscious.
ACUTE EFFECTS:	Possible eye, skin and respiratory tract irritation.
CHRONIC EFFECTS:	May aggravate existing skin, eye and lung conditions. Persons with kidney disorders have an increased risk from exposure based on general information found on aluminum salts.
AGGRAVATED MEDICAL CONDITIONS:	Existing skin, eye and lung conditions.
NOTES TO PHYSICIAN:	Aluminum soluble salts may cause gastroenteritis if ingested. Treatment includes the use of demulcents. Note: Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

SECTION 5: FIRE FIGHTING MEASURES

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS:	Full protective clothing and approved self-contained breathing apparatus required for firefighting personnel. Product is a water solution and nonflammable. In a fire, this product may build up pressure and rupture a sealed container; cool exposed containers with water spray. Use self-contained breathing apparatus in confined areas; avoid breathing mist or spray.
EXTINGUISHING MEDIA:	Use dry powder, foam, carbon dioxide, water spray.
EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASONS:	No information available.
SPECIFIC HAZARDS DURING FIRE FIGHTING:	May produce hazardous fumes or hazardous decomposition products.
EXPLOSION DATA:	Sensitivity to Mechanical Impact: None Sensitivity to Static Discharge: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONARY MEASURES:	Wear adequate personal protective clothing and equipment. Approved breathing apparatus may be necessary,
PROCEDURE FOR CLEANING / ABSORPTION:	Prevent further leakage or spillage if safe to do so. Build dikes as necessary to contain flow of large spills. Clear spills immediately. For small spills, use soda ash or lime to neutralize, an inert material to absorb, or wash product to a chemical sewer. Place contaminated materials into containers and store in a safe place to await proper disposal. Caution: Use of soda ash or lime may generate carbon dioxide gas. Provide adequate ventilation to spill area.
ENVIRONMENTAL PRECAUTIONS:	Do not allow liquid to enter sewers, streams or surface waterways.

SECTION 7: HANDLING AND STORAGE

HANDLING:	Use with adequate ventilation and employ respiratory protection where mist or spray may be generated. Keep away from heat and open flame. Wear chemical splash goggles, gloves, and protective clothing when handling. Wash thoroughly with soap and water after handling. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep container closed when not in use. FOR INDUSTRIAL USE ONLY.
STORAGE:	Store in a cool, dry place away from heat. Product may slowly corrode iron, brass, copper, aluminum, mild steel, and stainless steel. Keep container closed when not in use. Do not store in unlined metal containers.
INCOMPATIBLE PRODUCTS:	Alkalis.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: Local exhaust ventilation as necessary to maintain exposures to within applicable limits. Please refer to ACGIH document "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details. If there are no applicable or established exposure limit requirements or guidelines, general ventilation should be sufficient.

CONTROLPARAMETERS: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

RESPIRATORY EXPOSURE CONTROLS: If exposures exceed the PEL or TLV, use NIOSH/MSHA approved respirator in accordance with OSHA Respiratory Protection Requirements under 29 CFR 1910.134. If there are no applicable or established exposure limit requirements or guidelines, general ventilation should be sufficient.

WORK & HYGIENIC PRACTICES: Wear chemical splash goggles and face shield (when eye and face contact is possible due to splashing or spraying of material). Appropriate chemical resistant gloves should be worn. Wear standard work clothing and shoes. Provide readily accessible eye wash stations & safety showers. Take off contaminated clothing and wash before reuse.

RESPIRATORY (AS NEEDED)		CHEMICAL RESISTANT APPAREL (AS NEEDED)		EYE/FACE (AS NEEDED)	
	Air Supplied SCUBA	x	Impervious gloves, clothing and boots	x	Goggles
X	Air Purifying Full Face Piece		Tyvek Polyethylene Suit	x	Chemical Splash
	Half Face Piece		Neoprene Boots	x	Full Face Shield (when operation can generate splashes, sprays, mists.
X	Cartridge or Canister		Saranex/Acid Suit		
	Acid Gas				
x	Organic Vapors				
	Ammonia				
	Dust/mist				

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance & Odor:	Liquid, colorless to yellow , clear to slightly hazy	Odor:	Slight amine
pH (Neutrality):	2.0 – 3.0	Melting Point/Freezing Point:	No information available
Boiling Range:	No information available	Flash Point (Test Method):	Not applicable
Evaporation Rate:	No information available	Flammability Classification:	No information available
Lower Flammable Limit in Air (% by vol):	Not Applicable	Upper Flammable Limit in Air (% by vol):	Not Applicable
Vapor Pressure:	No information available	Vapor Density:	No information available
Specific Gravity:	1.280 – 1.310	Density:	10.68 – 10.93 lb./gal.
Water Solubility:	Soluble below pH4	Solubility in other solvents:	No information available
Auto Ignition Temperature:	Not Applicable	Dynamic Viscosity:	40 - 65 cps
%Volatile, wt.%:	30 – 60% (Water)	Partition coefficient: n-octanol/water:	No information available
Decomposition Temperature:	No information available	Kinematic Viscosity:	No information available
Bulk Density:	No information available	Explosive Properties:	No information available
Oxidizing Properties:	No information available	Softening Point:	No information available
Molecular Weight:	No information available	Volatile Organic Compounds (VOCs) Content:	No information available

SECTION 10: STABILITY & REACTIVITY

Product Stability: Stable under normal conditions of handling, use and transportation.		Materials to Avoid: Alkalis.	
Conditions to Avoid:	None known.	Possibility of Hazardous Reactions:	None under normal processing. Hazardous Polymerization is not anticipated under normal or recommended handling and storage conditions.
Hazardous Combustion or Decomposition Products: Thermal decomposition may release toxic and/or hazardous gases such as aluminum, Cl_2 and HCl.		Reactivity:	No data available.

SECTION 11: TOXICOLOGICAL INFORMATION

EYE & SKIN CONTACT:	May cause moderate eye irritation that can become severe with prolonged contact. Prolonged exposure to Aluminum salts may cause conjunctivitis. Prolonged and/or repeated contact may cause skin irritation.
INHALATION:	Inhalation of mist or vapor may cause respiratory tract irritation.
SWALLOWING:	May cause irritation of the mouth, throat and stomach. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
CARCINOGENICITY:	This product does not contain any components in concentrations greater than or equal to 0.1% that are listed as known or suspected carcinogens by NTP, IARC, ACGIH, or OSHA.
ORGAN TOXICITY**:**	No information available.
REPRODUCTIVE TOXICITY:	No information available.
GERM CELL MUTAGENICITY:	No information available.
SKIN CORROSION / IRRITATION:	Irritating to skin.
SERIOUS EYE DAMAGE / EYE IRRITATION:	Causes serious eye irritation.
SENSITIZATION:	No information available.
ASPIRATION HAZARD:	No information available.

Data is based on a product of similar composition and conclusions are drawn from sources other than direct testing.

ACUTE TOXICITY:

Acute Oral LD50 (mg/kg):	No information available.
Acute Dermal LD50 (mg/kg):	No information available.
Acute Inhalation LC50 (mg/l):	No information available.

COMPONENT	WEIGHT - %	ORAL LD50	DERMAL LD50	INHALATION LC50
Trade Secret Ingredient	25 – 35 %	>5000 mg/kg (Rat)	--	--

NUMERICAL MEASURES OF TOXICITY - PRODUCT INFORMATION:

4% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document;

ATEmix (oral) 15690 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:	
Acute Fish Toxicity:	No information available.
Acute Crustaceans Toxicity:	No information available.
Acute Algae (Plants)Toxicity:	No information available.

COMPONENT	WEIGHT - %	ALGAE/AQUATIC PLANTS	FISH	TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES
Trade Secret Ingredient	25 – 35 %	--	LC50 (48h static) 1460–1500 mg/L (Leuciscus idus melanotus)	--

MOBILITY IN SOIL:	No information available.
PERSISTENCE & DEGRADABILITY.	No information available.
BIOACCUMULATIVE POTENTIAL:	No information available.
RESULTS OF PBT AND vPvB ASSESSMENT:	No information available.
OTHER ADVERSE EFFECTS:	No other ecological studies have been carried out on this product.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of product in an approved chemical waste landfill or incinerate in accordance with applicable Federal, state and local regulations.

Contaminated packaging: Since empty containers retain product residue, follow label warnings even after container is emptied.

SECTION 14: TRANSPORT INFORMATION

DOT STATUS: Regulated	DOT UN/NA Number: UN3264 Proper Shipping Name: Corrosive liquid, Acidic, Inorganic, N.O.S. (Polyaluminum Chlorosulfate Solution) Hazard Class: 8 Packing Group: III ERG Number: 8L
ICAO/IATA STATUS: Regulated	UN Number: UN3264 Proper Shipping Name: Corrosive liquid, Acidic, Inorganic, N.O.S. (Polyaluminum Chlorosulfate Solution) Hazard Class: 8 Packing Group: III ERG Code: 8L
IMDG STATUS: Regulated	UN Number: UN3264 Proper Shipping Name: Corrosive liquid, Acidic, Inorganic, N.O.S. (Polyaluminum Chlorosulfate Solution) Hazard Class: 8 Packing Group: III EmS: F-A; S-B
HARMONIZED TARIFF NUMBER:	3824.90

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: CERCLA. This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

CWA (CLEAN WATER ACT). This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

SARA 311/312 HAZARD CATEGORIES:

Acute health hazard	Yes
Chronic health hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

SARA 313. Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

U.S. STATE REGULATIONS:

CALIFORNIA PROP 65: WARNING! This product may contain traces of a substance(s) known to the State of California to cause cancer and/or reproductive toxicity.

U.S. STATE RIGHT-TO-KNOW REGULATIONS: This product does not contain any substances regulated under applicable state right-to-know regulations.

INTERNATIONAL REGULATIONS: The component of this product are listed on the chemical inventories or exempt from listing of the following countries:

Canada (DSL), China (IECSC), South Korea (KECL), Europe (EINECS), USA (TSCA).

Some ingredients are not on the inventory for the following countries:

Australia (AICS), Philippines (PICCS), Japan (ENCS).

SECTION 16: OTHER INFORMATION

HAZARD RATINGS:

HEALTH (NFPA): 2 HEALTH (HMIS): 2 FLAMMABILITY: 0 REACTIVITY: 0
(Personal Protection Rating to be supplied by user based on use conditions.) This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

EMPLOYEE TRAINING:

See Section 2 for Risk & Safety Statements. Employees should be made aware of all hazards of this material (as stated in this SDS) before handling it.

LAST REVISION: 10/13/2015

NOTICE:
AOS Treatment Solutions, LLC expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages.

Do not use ingredient information and/or ingredient percentages in this SDS as a product specification. For product specification information refer to a product specification sheet and/or a certificate of analysis. These can be obtained from your local AOS Treatment Solutions, LLC sales office.

All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, AOS Treatment Solutions, LLC makes no representations as to its accuracy or sufficiency. Conditions of use are beyond AOS Treatment Solutions, LLC's control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling and disposal of the product, or from the publication or use of, or reliance upon, information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.

Enviro Tech Chemical Services, Inc. 500 Winmoore Way Modesto, CA 95358

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Identifier: BROMMAX 7.1 **Product Code:** 28

Product Use: Water Treatment Antimicrobial Solution

Chemical Family: Stabilized Liquid Bromine

Registration Number: 63838-5

Enviro Tech Chemical Services, Inc.
500 Winmoore Way Modesto, CA 95358
(209) 581-9576 (7 AM to 5 PM, PST, Monday to Friday)

24 Hr. Emergency Tel.#: 1-800-255-3924

SECTION 2 - HAZARDS IDENTIFICATION

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), These requirements differ from the classification criteria and hazard information required for safety data sheets of non-pesticide chemicals. Please see Section 15 for FIFRA labeling information.

Classification of the Substance or Mixture:

Skin Corrosion - Category 1
Serious Eye Damage - Category 1
Corrosive to Metals - Category 1
Acute Toxicity - Inhalation Category 4
Acute Toxicity - Dermal Category 5

Signal Word: DANGER

Hazard Statements:

Causes severe skin burns and eye damage
May be corrosive to metals
Harmful if inhaled
May be harmful in contact with skin

Precautionary Statements:

Prevention

Wash hands thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection.
Keep only in original container.
Do not breathe dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.

Response

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Immediately call a POISON CENTER or doctor/physician
Wash contaminated clothing before reuse.
Absorb spillage to prevent material damage.

Storage

Store locked up.
Store in a corrosive resistant container with a resistant inner liner.

Disposal

Dispose of contents/container in accordance with local regulations.

SAFETY DATA SHEET

Hazards not Otherwise Classified:

No other hazards classified.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Synonym	CAS Number	Concentration
SULFAMIC ACID, N-BROMO, SODIUM SALT	N-BROMOSULFAMATE	1004542-84-0	15-25%
SODIUM HYDROXIDE	CAUSTIC SODA	1310-73-2	1-5%

SECTION 4 - FIRST-AID MEASURES

Inhalation: Get medical advice/attention if you feel unwell or are concerned.

Skin Contact: Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of lukewarm, gently flowing water with a flushing duration of 15-20 minutes. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before re-use or discard.

Eye Contact: Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for 30 minutes. Take care not to rinse contaminated water into the unaffected eye or into the face. Immediately call a POISON CENTER/doctor.

Ingestion: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. If vomiting occurs naturally, lie on your side, in the recovery position.

Most Important Symptoms and Effects, both Acute and Delayed: Causes irritation/burns that may result in permanent impairment of vision, even blindness. Contact with skin can cause irritation. May be harmful if swallowed.

Indication of any Immediate Medical Attention and Special Treatment Needed: Treat symptomatically

SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing Media: Use water spray, powder, foam, carbon dioxide.

Special hazards arising from the substance or mixture: Non combustible. May give off irritating or toxic fumes (or gases) in a fire.

Flammability classification (OSHA 29 CFR 1910.106) (Hazcom 2012): Non flammable

Hazardous Combustion Products: May cause fire and explosions when in contact with incompatible materials.

Special protective equipment and precautions for firefighters: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

Methods and materials for containment and cleaning up: SMALL SPILLS (less than 1 gallon): Dike small spills with inert material (sand, earth, etc.). Collect in plastic containers only. Wash area and let dry. LARGE SPILL: Should be diked with sand ahead of spill. Collect in plastic containers only. Ensure adequate decontamination of tools and equipment following clean up.

Special spill response procedures: Collect spills in plastic containers only. Prevent from entering sewers, waterways, or low areas.

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling: Wear at least chemical resistant gloves and eye protection, face shield, and chemical resistant garments when handling, moving or using this product. Do not contaminate water, food, or feed by storage or disposal.

Conditions for Safe Storage: Store in a cool, dry, well ventilated place away from direct sunlight. Keep container closed when not in use.

Incompatible Materials: Strong reducing agents such as sulfite and metabisulfite, strong acids and bases. Never mix this product with undiluted sodium hypochlorite bleach. The mixture will result in a violent exothermic reaction that produces a great deal of heat and nitrogen gas bubbles.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Identity	CAS Number	Type	Exposure Limit Values	Source
SODIUM HYDROXIDE	1310-73-2	TLV	2 mg/m3 (ceiling)	ACGIH
		PEL	2 mg/m3 (ceiling)	NIOSH
		REL	2 mg/m3 (ceiling)	OSHA

SAFETY DATA SHEET

Ventilation and engineering measures: Forced air, local exhaust, or open air is adequate.

Respiratory Protection: Not a respiratory irritant unless dealing with a mist form, then wear appropiate NIOSH respirator.

Skin Protection: Wear chemical resistant gloves and chemical resistant garments when handling, wash garments before re-use.

Eye/Face Protection: Wear chemical goggles; also wear a face shield if splashing hazard exists.

Other Protective Equipment: Eye wash facility and emergency shower should be in close proximity.

General Hygiene Conditions: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industry hygiene and safety practice.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow to light orange liquid

Odor: Mild chlorine like odor

pH: 12.0-13.0 (1:100)

Melting/Freezing point: < -4ºC / 25ºF

Initial boiling point and boiling range: No information available

Flash Point: Not applicable

Flammability (solid, gas): Non flammable

Specific gravity: 1.3 - 1.35 g/mL

Solubility in water: Complete

Decomposition temperature: No information available.

Viscosity: 15-25 cSt at 20ºC / 68ºF

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: Reactive with oxidizing agents, reducing agents, organic materials, metals, acids and alkalis.

Chemical Stability: Stable for up to 1 year when stored under normal conditions.

Possibility of Hazardous Reactions: May react with incompatible materials

Conditions to Avoid: Avoid contact with strong acids and oxidizers. Incompatible materials and cold temperatures.

Incompatible Materials: Strong reducing agents such as sulfite and metabisulfite, strong acids and bases. Never mix this product with undiluted sodium hypochlorite bleach. The mixture will result in a violent exothermic reaction that produces a great deal of heat and nitrogen gas bubbles.

Hazardous Decomposition Products: Nitrogen oxides, bromine and hydrobromic acid vapors.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry - inhalation: YES

Routes of entry - skin & eye: YES

Routes of entry - ingestion: YES

Routes of entry - skin absorption: NO

Potential Health Effects:

Signs and symptoms of short term (acute) exposure:

Inhalation: May cause irritation to respiratory system in mist/vapor form.

Ingestion: Corrosive! Swallowing causes severe burns of mouth, throat, and stomach. Severe scarring of tissue, corrosion, permanent tissue destruction and death may result. Symptoms may include severe pain, nausea, vomiting, diarrhea, shock, hemorrhaging and/or fall in blood pressure. Damage may appear days after exposure.

Skin: Corrosive! Contact with skin causes irritation or severe burns and scarring with greater exposures.

Eye: Corrosive! Causes irritation of eyes, and with greater exposures it can cause burns that may result in permanent impairment of vision, even blindness.

Potential Chronic Health Effects:

Mutagenicity: May have mutagenic and tumorigenic effects with long term exposure.

Carcinogenicity: No ingredients are listed as carcinogens by ACGIH, IARC, OSHA, or NTP.

Reproductive effects: May cause reproductive effects.

Sensitization to material: Not a known sensitizer in humans or animals.

Specific target organ effects: No information available

Medical conditions aggravated by overexposure: No information available

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Toxicological data: The calculated ATE values for this mixture are:

ATE oral = > 5000 mg/kg

ATE dermal = > 2000 mg/kg

ATE inhalation (mist) = 2.85 mg/L

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: May be harmful to aquatic life.

Persistence and degradability: No information available.

Bioaccumulation potential: No information available.

Mobility in soil: No information available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Handling for disposal: Do not contaminate water, food, or feed by storage and/or disposal. When handling refer to protective measures listed in sections 7 and 8. Empty residue from containers, rinse container well.

Method of disposal: Dispose of in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

RCRA: If product becomes a waste, it does meet the criteria of a hazardous waste as defined by the US EPA, because of: Corrosivity D002

SECTION 14 - TRANSPORTATION INFORMATION

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

Please note the GHS and DOT Standards are NOT identical and therefore can have varying classifications

US 49 CFR/DOT/IATA/IMDG Information:

UN No.: 1760

UN Proper Shipping Name: Corrosive Liquid, n.o.s. (bromide salts)

Transportation hazard class(es): 8

Packing Group: III

Environmental hazards: Not a Marine Pollutant

SECTION 15 - REGULATORY INFORMATION

FIFRA Classification/Typical Hazard Labeling, as outlined in EPA Label Review Manual

Hazard Data

Signal Word	DANGER
Acute Toxicity, oral	Not Classified (NC)
Acute Toxicity, dermal	Not Classified (NC)
Acute Toxicity, inhalation	Not classified (NC)
Skin irritation/corrosion	Category I: Corrosive. Causes skin burns
Serious eye damage	Category I: Corrosive, Causes irreversible eye damage
Sensitization	Not Classified (NC)
Environmental (aquatic) toxicity	This pesticide is toxic to fish and other aquatic organisms.

US Federal Information:

TSCA information: All components are listed on the TSCA inventory.

US CERCLA reportable quantity (RQ): Non Regulated Material.

SARA Title III: Acute Health Hazard

SECTION 16 - OTHER INFORMATION

Legend:

SARA: The Superfund Amendments and Reauthorization Act

RCRA: Resource Conservation and Recovery Act

TSCA: Toxic Substances Control Act

CFR: Code of Federal Regulations

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DOT: Department of Transportation

ATE: Acute Toxicity Estimate

Revision No: 3

Preparation date: 7/24/2018

SAFETY DATA SHEET

1. Identification

Product identifier **Diamond Crystal® Bright & Soft™ Salt Pellets**

Other means of identification

SDS number ND14

Synonyms Diamond Crystal® Zeo-Tabs®. * Private Label Water Conditioning Pellets. * Sodium Chloride (Salt), Compressed.

Recommended use Salt may be intended for food or animal feed (agricultural) as well as several industrial applications including deicing and water conditioning.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name Cargill Incorporated

Address Minneapolis, MN 55440

Telephone 1-888-385-7258

Website www.cargillsalt.com

Emergency telephone number CHEMTREC (800) 424-9300

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Not classified.

OSHA defined hazards Not classified.

Label elements

Hazard symbol None.

Signal word None.

Hazard statement The mixture does not meet the criteria for classification.

Precautionary statement

Prevention Observe good industrial hygiene practices.

Response Wash hands after handling.

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) None known.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Sodium Chloride	7647-14-5	99.97
Sodium Hexametaphosphate	10124-56-8	0.03

4. First-aid measures

Inhalation If dust from the material is inhaled, remove the affected person immediately to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion Give one or two glasses of water if patient is alert and able to swallow. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed	Treat symptomatically.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment/instructions	Use water spray to cool unopened containers.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	This product is not flammable or combustible.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Avoid inhalation of dust from the spilled material. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Collect dust using a vacuum cleaner equipped with HEPA filter. Minimize dust generation and accumulation. Avoid release to the environment. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Provide appropriate exhaust ventilation at places where dust is formed. Minimize dust generation and accumulation. Avoid breathing dust. Avoid contact with eyes. Avoid contact with water and moisture. Keep away from strong acids. Practice good housekeeping.
Conditions for safe storage, including any incompatibilities	Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Becomes hygroscopic at 70-75% relative humidity. Avoid humid or wet conditions as product will cake and become hard.

8. Exposure controls/personal protection

Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls	Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing.

Individual protection measures, such as personal protective equipment

Eye/face protection	Unvented, tight fitting goggles should be worn in dusty areas.
Skin protection	
Hand protection	Wear appropriate chemical resistant gloves.
Other	Wear suitable protective clothing.
Respiratory protection	Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance	Compressed white pellets.
Physical state	Solid.
Form	Crystalline solid.
Color	White.
Odor	Halogen odor
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	1473.8 °F (801 °C)
Initial boiling point and boiling range	2669 °F (1465 °C) (760 mmHg)
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	2.4 mm Hg (1376.6 °F (747 °C))
Vapor density	Not available.
Relative density	2.16 (H_2O = 1)
Solubility(ies)	
Solubility (water)	26.4 %
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Bulk density	53 - 83 lb/ft³
Molecular formula	NaCl
Molecular weight	58.44
pH in aqueous solution	6 - 9

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).
Incompatible materials	Avoid contact with strong acids. Becomes corrosive to metals when wet.
Hazardous decomposition products	May evolve chlorine gas when in contact with strong acids.

11. Toxicological information

Information on likely routes of exposure

Ingestion	Expected to be a low ingestion hazard.
Inhalation	Inhalation of dusts may cause respiratory irritation.

Skin contact Prolonged or repeated skin contact may cause irritation.

Eye contact Dust in the eyes will cause irritation.

Symptoms related to the physical, chemical and toxicological characteristics Eye and skin contact: Exposure may cause temporary irritation, redness, or discomfort. For ingestion, consuming less than a few grams would not be harmful. The following effects were observed after ingesting an excessive quantity: nausea and vomiting, diarrhea, cramps, restlessness, irritability, dehydration, water retention, nose bleed, gastrointestinal tract damage, fever, sweating, sunken eyes, high blood pressure, muscle weakness, dry mouth and nose, shock, cerebral edema (fluid on brain), pulmonary edema (fluid in lungs), blood cell shrinkage, and brain damage (due to dehydration of brain cells). Death is generally due to cardiovascular collapse or CNS damage.

Information on toxicological effects

Acute toxicity In some cases of confirmed hypertension, ingestion may result in elevated blood pressure.

Components	Species	Test Results
Sodium Chloride (CAS 7647-14-5)		
Acute		
Oral		
LD50	Mouse	4000 mg/kg
	Rat	3000 mg/kg
Other		
LD50	Mouse	2602 mg/kg
Sodium Hexametaphosphate (CAS 10124-56-8)		
Acute		
Oral		
LD50	Mouse	4320 mg/kg
	Rat	6200 mg/kg
Other		
LD50	Mouse	62 mg/kg

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation Dust in the eyes will cause irritation.

Respiratory or skin sensitization

Respiratory sensitization Not available.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Due to the physical form of the product it is not an aspiration hazard.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components		Species	Test Results
Sodium Chloride (CAS 7647-14-5)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	340.7 - 469.2 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	4747 - 7824 mg/l, 96 hours

Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	None known.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

15. Regulatory information

US federal regulations

All components are on the U.S. EPA TSCA Inventory List.
This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Sodium Hexametaphosphate (CAS 10124-56-8) LISTED

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical	No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)	Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Sodium Hexametaphosphate (CAS 10124-56-8)

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Sodium Hexametaphosphate (CAS 10124-56-8)

US. Rhode Island RTK

Sodium Hexametaphosphate (CAS 10124-56-8)

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 12-August-2014

Revision date -

Version # 01

HMIS® ratings
Health: 1
Flammability: 0
Physical hazard: 0
Personal protection: A

Disclaimer

All statements, technical information and recommendations contained herein are, the best of our knowledge, reliable and accurate; however no warranty, either expressed or implied is made with respect thereto, nor will any liability be assumed for damages resultant from the use of the material described.

It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations. It is also the responsibility of the user to maintain a safe workplace. The user should consider the health hazards and safety information provided herein as a guide and should take the necessary steps to instruct employees and to develop work practice procedures to ensure a safe work environment.

This information is not intended as a license to operate under, or a recommendation to practice or infringe upon any patent of this Company or others covering any process, composition of matter or use.

SAFETY DATA SHEET

GWT 2115

1. IDENTIFICATION

Product Name: GWT 2115
CAS Number: MIXTURE
Recommended Use: Cooling Water Treatment.
Restrictions on Use: No data available.

Global Water Technology, Inc.
354 West Armory Drive
South Holland, Il 60473
(708) 349-9991

EMERGENCY RESPONSE NUMBERS:
24 Hour Emergency #: (708) 349-9991
INFOTRAC Emergency #: (800) 535-5053

2. HAZARD(S) IDENTIFICATION

Signal Word: **Warning**

Hazard Statements

H302 – Harmful if swallowed.
H316 – Causes mild skin irritation.
H319 – Causes serious eye irritation.

Precautionary Statements

P102 – Keep out of reach of children.
P233 – Keep container tightly closed.
P262 – Do not get in eyes, on skin or on clothing.
P264 – Wash skin thoroughly after handling.
P280 – Wear eye protection/ face protection.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists: Get medical advice/ attention.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	% by Wt.
Hydroxyphosphono Acetic Acid	23783-26-8	<30 %

4. FIRST-AID MEASURES

4.1 Description of first-aid measures

In case of inhalation:

Remove to fresh air. Call a doctor immediately if breathing is difficult or if allergic signs, particularly in the respiratory tract, are observed. Give oxygen or artificial respiration if needed.

In case of skin contact:
Wash affected areas thoroughly with soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing and shoes before reuse. Seek medical attention immediately if any irritation persists.

In case of eye contact:
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. In the case of difficulty of opening the lids, administer an analgesic eye wash (oxybuprocaine). Immediate medical attention may be required.

In case of ingestion
If person can swallow, give 2 glasses of water to drink. DO NOT INDUCE VOMITING! Never give anything by mouth to an unconscious person. Seek medical attention.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media
- Product is non-flammable
- Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media
- None known

5.2 Special hazards arising from the substance or mixture.

Specific hazards during fire fighting
- Not combustible.

Hazardous combustion products:
Oxides of carbon and nitrogen

5.3 Advice for firefighters

Special protective equipment for fire-fighters
- Wear self-contained breathing apparatus and protective suit.
- Use NIOSH approved respiratory protection.

Further information
- Approach from upwind

Avoid release of runoff from fire control methods to enter waterways.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures
Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment should be avoided.

6.3 Methods and materials for containment and cleaning up.
Absorb small spills with a paper towel or similar absorbent. Flush and clean area with large amounts of water. For large spills, dike far ahead of spill for later disposal. Do not release into sewers or waterways. Absorb spill with vermiculite, oil dry or similar non-reactant absorbent. Dispose of according to federal, state, and local regulations.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of dust and mists. Normal ventilation is usually adequate. Provide appropriate exhaust ventilation at places where dust and/or mist is formed. Observe good personal hygiene and housekeeping practices. Wash thoroughly after handling. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities.
Do not store in direct sunlight. Keep container tightly closed in a dry and well-ventilated place. Do not store this material near any strong acids, bases, oxidizers, flammables, or any other type of reactive material. Do not expose the material to extreme temperatures.

7.3 Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters
Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection
Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US).

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection
Normal workers clothing is usually adequate when handling this product. In situations where splashing might occur chemical apron or other type of protective clothing should be worn.

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use

respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure
Prevent further leakage or spillage.

Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the restroom or applying cosmetics.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Free-flowing liquid
Color: Brown liquid
Odor: Mild odor.
Odor Threshold: N.D.
pH: 2.0 – 3.0
Freezing Point (deg. F): N.D.
Melting Point (deg. F): N.D.
Initial Boiling Point or Boiling Range: N.D.
Flash Point: N. D.
Flash Point Method: N. D.
Evaporation Rate (nBuAc = 1): N.D.
Vapor Pressure (mm Hg): N.D.
Vapor Density (air=1): N.D.
Specific Gravity: 1.150 – 1.250
Solubility in Water: Complete
Fire Point: N.D.

10. STABILITY AND REACTIVITY

Reactivity: No data available.

Chemical Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur under normal conditions.

Conditions to Avoid: Excessive temperature, contact with any type of reactive chemicals.

Incompatible Materials: Oxidizing agents. Reducing agents. Combustible materials. Inorganic acids.

Hazardous Decomposition Products: Carbon dioxide. Carbon monoxide. Nitrogen oxides. Products of incomplete combustion.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity
Inhalation: No data available
Dermal: No data available

Skin corrosion/irritation
No data available

Serious eye damage/eye irritation
No data available

Respiratory or skin sensitization
No data available

Germ cell mutagenicity
No data available

Carcinogenicity

IARC: 2A No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Reproductive toxicity
No data available

Specific target organ toxicity - single exposure
No data available

12. ECOLOGICAL INFORMATION

Ecotoxicological Information: LC50 – Rainbow trout (Oncorhynchus mykiss) – 368 mg/l – 96hr (for HPAA)

Chemical Fate Information: No data available.

13. DISPOSAL CONSIDERATIONS

Hazardous Waste Number: N.A.
Disposal Method: Dispose of in accordance with all local, state, and federal regulations. Since emptied containers retain product residue, follow label warnings even after container is emptied. DO NOT pressurize, cut, weld, solder, drill, grind or expose empty containers to heat, flame, sparks, or other sources of ignition. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

14. TRANSPORT INFORMATION

DOT (Department of Transportation):

Identification Number: Not Regulated
Proper Shipping Name:
Hazard Class:
Packing Group:

15. REGULATORY INFORMATION

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
No chemicals in this material are subject to reporting levels established by SARA Title III, Section 313:

SARA 311/312 Hazards

16. OTHER INFORMATION

Hazard Rating System
Health: 1
Flammability: 0
Reactivity: 0
* = Chronic Health Hazard

NFPA Rating System
Health: 1
Flammability: 0
Reactivity: 0
Special Hazard: None

SDS Abbreviations
N.A. = Not Applicable
N.D. = Not Determined
HAP = Hazardous Air Pollutant
VOC = Volatile Organic Compound
C = Ceiling Limit
N.E./Not Estab. = Not Established

SDS Prepared by: JTC

Reason for Revision: New product formula.

Revised: 03-30-2021
Replaces: n/a

The data in this Safety Data Sheet relates to the specific material designated and does not relate to its use in combination with any other material or process. The data contained is believed to be correct. However, since conditions of use are outside our control it should not be taken as warranty or representation for which GLOBAL WATER TECHNOLOGY, INC. assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.

Material Safety Data Sheet

Justeq07

1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY

PRODUCT NAME	Justeq07
CHEMICAL DESCRIPTION	Alkaline antimicrobial solution
SUPPLIER	Justeq, LLC 2871 Crimson Court Northbrook, IL 60062
EMERGENCY TELEPHONES:	
NON-EMERGENCY INFORMATION	847-656-8626
24 HOUR MEDICAL EMERGENCY	CHEMTREC 800-424-9300
24 HOUR SHIPPING EMERGENCY	CHEMTREC 800-424-9300

NFPA 704M/HMIS Rating:

3/3 HEALTH	0/0 FLAMMABILITY	1/1 REACTIVITY	0 OTHER

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

2. COMPOSITION/INFORMATION ON INGREDIENT

Our hazard evaluation has identified the following chemical ingredients as hazardous under OSHA's Hazard Communication Rule, 29 CFR 1910.1200.

NAME	CAS NO	% (W/W)
Sodium Hydroxide	1310-73-2	1.0 – 10.0
Sodium Hypochlorite	7681-52-9	6.0 – 8.0

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

DANGER: Corrosive. Causes severe eye and skin injury. Harmful if inhaled. Harmful if swallowed. Do not get in eyes, on skin or clothing. Wear goggles and face shield and rubber gloves when handling.

Remove and wash contaminated clothing before reuse. Wash thoroughly after handling.

PRIMARY ROUTES OF EXPOSURE: Eye, Skin, Inhalation

EYE CONTACT:

Corrosive. Will cause eye burns and may cause permanent tissue damage.

SKIN CONTACT:

May cause severe irritation or tissue damage depending on the length of exposure and the type of first aid administered.

INGESTION:

Corrosive; causes chemical burns to the mouth, throat and stomach.

INHALATION:

Irritating, in high concentrations, to the eyes, nose, throat and lungs.

4. FIRST-AID MEASURES

INHALATION:

Remove victim immediately from source of exposure.

Provide rest, warmth and fresh air.

If breathing stops, provide artificial respiration.

Get medical attention.

INGESTION:

Do not induce vomiting.

Rinse mouth thoroughly.

Drink lots of water.

Get medical attention.

SKIN CONTACT:

Immediately remove contaminated clothing.

Rinse immediately with plenty of water.

Continue to rinse for at least 15 minutes.

Get medical attention if irritation persists after washing.

EYE CONTACT:

Rinse the eye with water immediately.

Continue to rinse for at least 15 minutes.

Contact physician if irritation persists.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA:

Use fire-extinguishing media appropriate for surrounding materials.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

No unusual fire and explosion hazards noted.

SPECIFIC HAZARDS:

Toxic gases/ vapors/ fumes of chlorine.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

Restrict access to area as appropriate until clean-up operations are complete.

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS:

Do not discharge into drains, watercourses or onto the ground.

SPILL CLEAN UP METHODS:

Absorb in vermiculite, dry sand or earth and place into containers.

Containers with collected spillage must be properly labeled with correct contents and hazard symbol.

7. HANDLING AND STORAGE

HANDLING:

Do not get in eyes, on skin, on clothing.

Do not take internally.

Use with adequate ventilation.

Avoid generating aerosols and mists.

Keep the containers closed when not in use.

Have emergency equipment (for fires, spills, leaks, etc.) readily available.

STORAGE CONDITIONS:

Store the containers tightly closed.

Store away from incompatible materials.

Store in suitable labeled containers.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING MEASURES:

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT:

If ventilation is insufficient, suitable respiratory protection must be provided. In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory with combination filter (type A2/P2)

HAND PROTECTION:

Selection of a suitable glove depends on work conditions and weather the product is present on its own or in combination with other substances.

It has found that gloves made from rubber, neoprene or PVC provide short term splash protection.

EYE PROTECTION:

Use safety goggles and face shield in case of splash risk.

OTHER PROTECTION:

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact.

HYGIENE MEASURES:

Provide shower facilities near the work place.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOUR	Light Yellow
ODOR	Slight Chlorine

SPECIFIC GREVITY	1.20 – 1.30
PH	12.5 – 13.7

10. STABILITY AND REACTIVITY

STABILITY:

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID:

Do not mix Justeq07 with other chemicals. Justeq07 should never be mixed with any amount of bleach. The resulting reaction is violently exothermic and will severely damage any non-metal bulk tanks.

Avoid excessive heat for prolonged period of time.
Avoid contact with strong reducing agents.
Avoid contact with acids.

HAZARDOUS POLYMERIZATION:

Will not polymerize.

HAZARDOUS DECOMPOSITION PRODUCTS:

Toxic gases/ vapors/ fumes of: Chlorine.

11. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:

Absorb in vermiculite or dry sand, dispose in licensed special waste.
Do not allow runoff to sewer, waterway or ground.
Dispose of waste and residues in accordance with local authority requirements.

12. SHIPPING INFORMATION

Proper shipping name: Hypochlorite Solution

Hazard class: 8

ID number: UN1791

Label/placard: Corrosive

Packing group: III

13. OTHER INFORMATION

REVISION COMMENTS:

MATERIAL SAFETY DATA SHEET STATUS:

Approved.

DATE: 05/26/2009

Prepared by: Sang-Hea Shim

For safety reason it is IMPERATIVE that customers:

1. Ensure that all those who use the products are supplied with all relevant information contained within the Material Safety Data Sheet and Technical Bulletin concerning the applications for which the product is designed and any instructions and warnings contained therein.
2. Consult Justeq, LLC before using or supplying the product for any other applications.

The information contained herein is based on the present state of our knowledge and is intended to describe our product from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.

Final All-Weather Blox

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 1/18/2024 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form	:	Mixture
EPA Registration Number	:	12455-89
Trade name	:	Final All-Weather Blox
Product code	:	FB4040, FB1018

1.2. Recommended use and restrictions on use

Use of the substance/mixture	:	Rodenticides Anti-coagulant Ready to use product

1.3. Supplier

Manufacturer
Bell Laboratories, Inc.
3699 Kinsman Blvd.
Madison, WI, 53704
USA
T 608 241 0202
sds@belllabs.com - www.belllabs.com

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
USA	Medical or Vet Emergency		877-854-2494 952-852-4636	Spill or Transportation Emergency: 800-424-9300 (CHEMTREC)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Not classified

2.2. GHS Label elements, including precautionary statements

GHS US labelling

No labelling applicable

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Brodifacoum (ISO); 4-hydroxy-3-(3-(4′- bromo-4-biphenylyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin	CAS-No.: 56073-10-0	0.005	Acute Tox. 1 (Oral), H300 Acute Tox. 1 (Dermal), H310 Acute Tox. 1 (Inhalation), H330 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Not applicable.

First-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

No additional information available

4.3. Immediate medical attention and special treatment, if necessary

ANTIDOTE. Vitamin K1.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

Protective equipment	:	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter drains or water courses.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	:	Mechanically recover the product.
Other information	:	Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Wear personal protective equipment. Place inaccessible to children, companion animals and non-target animals. Do not (use/apply) directly on or near food, feed or drinks, or on surfaces or utensils likely to be in direct contact with food, feed, drinks and animals. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Hygiene measures	:	Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	:	Place inaccessible to children, companion animals and non-target animals. Keep only in the original container in a cool, well ventilated place away from : Other chemicals.
Heat and ignition sources	:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Environmental exposure controls	:	Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:
Protective gloves

Personal protective equipment symbol(s):

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Appearance	:	Waxy. Blocks.
Colour	:	red
Odour	:	Fresh Sweet Grains
Odour threshold	:	No data available
pH	:	No data available
Melting point	:	No data available
Freezing point	:	Not applicable
Boiling point	:	No data available
Flash point	:	Not applicable
Relative evaporation rate (butylacetate=1)	:	No data available
Flammability (solid, gas)	:	Non flammable.
Vapour pressure	:	No data available
Relative vapour density at 20°C	:	No data available
Relative density	:	No data available
Solubility	:	No data available
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	No data available
Viscosity, kinematic	:	Not applicable
Viscosity, dynamic	:	No data available
Explosive limits	:	Not applicable
Explosive properties	:	No data available
Oxidising properties	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under recommended handling and storage conditions (see section 7).

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Brodifacoum (ISO); 4-hydroxy-3-(3-(4′- bromo-4-biphenylyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin (56073-10-0)	
LD50 oral rat	< 5 mg/kg bodyweight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral)
LD50 dermal rat	7.48 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Female, Experimental value, Dermal)
LC50 Inhalation - Rat	0.00305 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Female, Experimental value, Inhalation (dust))

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified

Brodifacoum (ISO); 4-hydroxy-3-(3-(4′- bromo-4-biphenylyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin (56073-10-0)	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified
Viscosity, kinematic : Not applicable

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Brodifacoum (ISO); 4-hydroxy-3-(3-(4′- bromo-4-biphenylyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin (56073-10-0)	
LC50 - Fish [1]	0.042 mg/l (OECD 203: Fish, Acute Toxicity Test, Oncorhynchus mykiss, Semi-static system, Experimental value, GLP)
EC50 - Crustacea [1]	0.25 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Experimental value, GLP)
ErC50 algae	0.04 mg/l (OECD 201: Alga, Growth Inhibition Test, Selenastrum capricornutum, Experimental value, GLP)

12.2. Persistence and degradability

Brodifacoum (ISO); 4-hydroxy-3-(3-(4′- bromo-4-biphenylyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin (56073-10-0)	
Persistence and degradability	Not readily biodegradable in water.

12.3. Bioaccumulative potential

Brodifacoum (ISO); 4-hydroxy-3-(3-(4′- bromo-4-biphenylyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin (56073-10-0)	
Partition coefficient n-octanol/water (Log Pow)	4.92 (Experimental value, 20 °C)
Bioaccumulative potential	Potential for bioaccumulation (4 ≤ Log Kow ≤ 5).

12.4. Mobility in soil

Brodifacoum (ISO); 4-hydroxy-3-(3-(4′- bromo-4-biphenylyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin (56073-10-0)	
Ecology - soil	Brodifacoum is immobile in soil (Koc > 9155 l/kg). Mobility of Brodifacoum in soil is considered to be minimal.

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

14.1. UN number

DOT NA No : Not regulated
UN-No. (TDG) : Not applicable
UN-No. (IMDG) : Not regulated
UN-No. (IATA) : Not regulated

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not regulated
Proper Shipping Name (TDG) : Not applicable
Proper Shipping Name (IMDG) : Not regulated
Proper Shipping Name (IATA) : Not regulated

14.3. Transport hazard class(es)

DOT
Transport hazard class(es) (DOT) : Not regulated

TDG
Transport hazard class(es) (TDG) : Not applicable

IMDG
Transport hazard class(es) (IMDG) : Not regulated

IATA
Transport hazard class(es) (IATA) : Not regulated

14.4. Packing group

Packing group (DOT) : Not regulated
Packing group (TDG) : Not applicable

Packing group (IMDG) : Not regulated

Packing group (IATA) : Not regulated

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

DOT

Not regulated

TDG

Not applicable

IMDG

Not regulated

IATA

Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

FIFRA Labelling	
EPA Registration Number	12455-89

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

15.2. International regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Full text of H-statements	
H300	Fatal if swallowed.

Full text of H-statements	
H310	Fatal in contact with skin.
H330	Fatal if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Univar Solutions

04/24/2024

INGENIA POLYMERS
MSDS Coordinator
1300 MCCABE ROAD
LA PORTE TX 77571
US

ATTN: SDS COORDINATOR Enclosed is the Safety Data Sheet (SDS) related to your recent product purchase. Univar Solutions provides its customers with a SDS the first time a product is purchased or sampled for testing. In some cases, a SDS is distributed on an annual basis to comply with specific regulatory requirements even if there has been no revision. If the SDS is significantly changed, a copy of the revised sheet is sent to customers who purchased the product in the previous twelve months. The SDS is addressed to the attention of the SDS COORDINATOR and is sent according to the contact information that Univar Solutions has on file for your organization. You should direct the SDS to those responsible for managing or designing operations involving the use of the product and those who use or handle the product and may potentially be exposed to it. Univar Solutions is committed to providing accurate health and safety information on the products that we manufacture or distribute. If you have any further questions or concerns, please feel free to contact us.

Univar Solutions USA Inc
Product Compliance Department
3 Waterway Square Place
Suite 1000
The Woodlands, TX 77380
SDSNA@univarsolutions.com
US and Canada: 1-855-429-2661

Ship To: 0000917409

Univar Solutions

Safety Data Sheet
LIQUICHLOR® 12.5% SOLUTION

Version 1.2 Revision Date: 03/26/2024

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : LIQUICHLOR® 12.5% SOLUTION

Recommended use of the chemical and restrictions on use

Recommended use : refer to EPA registered label for specific uses

Manufacturer or supplier's details

Company : Univar Solutions USA
Address 3075 Highland Pkwy Suite 200
Downers Grove, IL 60515
United States of America (USA)

Emergency telephone number:
Transport North America: CHEMTREC (1-800-424-9300)
CHEMTREC INTERNATIONAL Tel # 703-527-3887

Additional Information: : Responsible Party: Product Compliance Department
E-mail: SDSNA@univarsolutions.com
SDS Requests: 1-855-429-2661
Website: www.univarsolutions.com

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Corrosive to metals : Category 1

Skin corrosion : Category 1B

Serious eye damage : Category 1

GHS label elements

Hazard pictograms :

Signal word : Danger

Hazard statements : H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.

Precautionary statements : **Prevention:**
P234 Keep only in original container.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.
Storage:
P405 Store locked up.
P406 Store in corrosive resistant container with a resistant inner liner.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

CAS-No.	Chemical name	Weight percent
7681-52-9	Sodium hypochlorite	12.5
1310-73-2	Sodium hydroxide	0 - 5

Actual concentration is withheld as a trade secret
Any Concentration shown as a range is due to batch variation.

Synonyms : Bleach,

SECTION 4. FIRST AID MEASURES

General advice : Show this safety data sheet to the doctor in attendance.
Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled : Take victim immediately to hospital.
Move to fresh air.
If breathing has stopped, apply artificial respiration.
If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Remove contaminated clothing. If irritation develops, get medical attention.
Burns must be treated by a physician.

In case of eye contact : In case of eye contact
Immediately flush eye(s) with plenty of water.
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

		If easy to do, remove contact lens, if worn. If eye irritation persists, consult a specialist. Take victim immediately to hospital.
If swallowed	:	Take victim immediately to hospital. Do NOT induce vomiting. Rinse mouth with water. If victim is fully conscious, give a cupful of water. If a person vomits when lying on his back, place him in the recovery position.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Carbon dioxide (CO2) Foam Dry powder
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire-fighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	:	No hazardous combustion products are known
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for firefighters	:	Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment.
Environmental precautions	:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Neutralise with acid. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
Advice on safe handling	:	Do not breathe vapours/dust.

Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
To avoid spills during handling keep bottle on a metal tray.
Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Observe label precautions.
Electrical installations / working materials must comply with the technological safety standards.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
7681-52-9	Sodium hypochlorite	STEL	2 mg/m3	US WEEL
1310-73-2	Sodium hydroxide	C	2 mg/m3	ACGIH
		C	2 mg/m3	NIOSH REL
		TWA	2 mg/m3	OSHA Z-1
		C	2 mg/m3	OSHA P0
		C	2 mg/m3	CAL PEL

Personal protective equipment

Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	clear yellow
Odour	:	Chlorine
Odour Threshold	:	No data available
pH	:	11.5 - 13
Freezing Point (Melting point/freezing point)	:	-20 - -15 °C (-4 - 5 °F)
Boiling Point ()	:	230 °F (230 °F) Decomposition: Decomposition temperature
Flash point	:	Not Flammable
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapour pressure	:	12 - 17.5 mmHg @ 20 °C (68 °F)
Relative vapour density	:	No data available
Relative density	:	1.17 @ 20 °C (68 °F) Reference substance: (water = 1)
Density	:	1.17 g/cm3
Solubility(ies)		
Water solubility	:	completely soluble
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Thermal decomposition	:	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable
Possibility of hazardous reactions	:	No hazards to be specially mentioned.
Conditions to avoid	:	Keep away from heat, flame, sparks and other ignition sources.
Incompatible materials	:	Acids Combustible material Halogenated compounds Metals metal salts Organic materials

organic nitro compounds
Zinc

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg

Components:

7681-52-9:
Acute oral toxicity : LD50 (Rat, male): > 2,000 mg/kg

Skin corrosion/irritation

Components:

7681-52-9:
Species: Rabbit
Result: Causes burns.

1310-73-2:
Species: Rabbit
Result: Causes severe burns.

Serious eye damage/eye irritation

Components:

7681-52-9:
Species: Rabbit
Result: Risk of serious damage to eyes.

1310-73-2:
Species: Rabbit
Result: Risk of serious damage to eyes.

Carcinogenicity

IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

STOT - single exposure

Components:

7681-52-9:
Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

Further information

Product:

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

7681-52-9:

Toxicity to fish	:	LC50 (Salmo gairdneri (Rainbow Fish)): 0.06 mg/l Exposure time: 96 h Test Type: flow-through test LC50 (Pimephales promelas (fathead minnow)): 5.9 mg/l Exposure time: 96 h Test Type: static test
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 0.141 mg/l Exposure time: 48 h Test Type: flow-through test EC50 (Ceriodaphnia dubia): 0.035 mg/l Exposure time: 48 h Test Type: flow-through test
Toxicity to algae	:	IC50: 0.023 mg/l Exposure time: 7 d Test Type: flow-through test
M-Factor (Acute aquatic toxicity)	:	10
Acute aquatic toxicity- Assessment	:	Very toxic to aquatic life.
Chronic aquatic toxicity- Assessment	:	Toxic to aquatic life with long lasting effects.

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

Product:

Ozone-Depletion Potential	:	Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
Additional ecological information	:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life. Harmful to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues	:	Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Univar Solutions ChemCare: 1-800-637-7922
Contaminated packaging	:	Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

DOT (Department of Transportation):
UN1791, Hypochlorite solutions, 8, III , Marine Pollutant (SODIUM HYPOCHLORITE)

IATA (International Air Transport Association):
UN1791, Hypochlorite solution, 8, III

IMDG (International Maritime Dangerous Goods):
UN1791, HYPOCHLORITE SOLUTION, 8, III, Marine Pollutant (SODIUM HYPOCHLORITE)

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)

Sodium hypochlorite	7681-52-9	100	800
Sodium hydroxide	1310-73-2	1000	20000

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Corrosive to metals
Skin corrosion or irritation
Serious eye damage or eye irritation

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

7681-52-9 Sodium hypochlorite
1310-73-2 Sodium hydroxide

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

7681-52-9 Sodium hypochlorite
1310-73-2 Sodium hydroxide

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

Massachusetts Right To Know

7681-52-9 Sodium hypochlorite
1310-73-2 Sodium hydroxide

Pennsylvania Right To Know

7732-18-5 Water
7681-52-9 Sodium hypochlorite
1310-73-2 Sodium hydroxide

California Prop 65 : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

TSCA : On TSCA Inventory

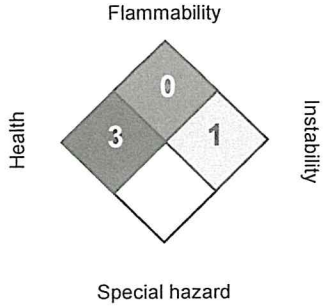
DSL : All components of this product are on the Canadian DSL

AICS : On the inventory, or in compliance with the inventory

NZIoC	:	Not in compliance with the inventory
ENCS	:	On the inventory, or in compliance with the inventory
KECI	:	On the inventory, or in compliance with the inventory
PICCS	:	On the inventory, or in compliance with the inventory
IECSC	:	On the inventory, or in compliance with the inventory

SECTION16. OTHER INFORMATION

NFPA:



HMIS III:

HEALTH	3/
FLAMMABILITY	0
PHYSICAL HAZARD	1

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 =Extreme, * = Chronic

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Univar Solutions Product Compliance Department (1-855-429-2661) SDSNA@univarsolutions.com.

Revision Date : 03/26/2024

Material number:
16215731, 16214071, 16211872, 16212037, 16211065, 16210830, 16210117, 16206617, 16204823, 16179440, 16173035, 16172686, 16173104, 16185315, 16172598, 16146040, 16151002, 16149524, 16158615, 16145640, 16148059, 16144666, 16147989, 16163791, 16180800, 16164756, 16164592, 16164731, 16164730, 16203820, 16203821, 16203184, 16194505, 16158853, 16151253, 16149870, 16148071, 16148060, 16147684, 16145965, 16145895, 16145890, 16145584, 16145144, 16145142, 16145140, 16145138, 16145137, 16145133, 16145130, 16145079, 16159810, 16150495, 16149123, 16147041, 16145471, 16144665, 16145772, 16148183, 16145046, 16143737, 16135287, 16163624, 16148721, 16155765, 16158840, 16145484, 16166710, 16148748, 16148260, 16166763, 16166591, 16145834, 16166014, 16159793, 16162934, 16165524, 16165444, 16165066, 16137823, 16137455, 16137753, 16147687, 16144215, 16150496, 16149504, 16145673, 16149243, 16136536, 16160181, 16160290, 16144046, 16145139, 16150462, 16149046, 16149516,

16148083, 16150461, 16135216, 16156005

Key or legend to abbreviations and acronyms used in the safety data sheet			
ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%		

SAFETY DATA SHEET

WTS-100

SCALE/CORROSION INHIBITOR

Water Treatment Services, Inc.
WTS
1514 Austin
South Houston, TX 77587
phone: 713.943.8952
www.wtsi.cc

IDENTIFICATION

Product Name:	**WTS-100**
Revision Date:	9/21/2015
Manufacturer Information:	Water Treatment Services, Inc. 1514 Austin Street South Houston, Texas 77587 713-943-8952
Emergency Phone:	ChemTel 1-800-255-3924

HAZARDS IDENTIFICATION

Signal Word: DANGER

Hazard Statements:
H302: Harmful if swallowed.
H314: Causes severe sin burns and eye damage.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Pictogram:

Precautionary Statements:
P264: Wash (hands) thoroughly after handling.
P260: Do not breathe dust/fume/gas/mist/vapors/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response Statements:
P280: Wear protective gloves / protective clothing.
P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P307 + P311: IF exposed: Call a POISON CENTER or doctor / physician.

Potential Health Effects:
EYES: Causes eye irritation.

SKIN: Causes skin irritation after excessive contact.

INHALATION: Harmful if inhaled. Causes respiratory tract irritation.

COMPOSITION / INFORMATION ON INGREDIENTS

Components of this mixture may be proprietary information. In the event of a medical emergency, compositional information will be provided to a physician or nurse.

CHEMICAL NAME	CAS #	% by wt.
Potassium Hydroxide	1310-58-3	5-20%

FIRST AID MEASURES

Eye Exposure: Flush with clean, cool water for 15 minutes. Remove contact lenses. See a physician immediately, preferably an ophthalmologist.

Skin Exposure: Immediately flush skin with soap and running water for 15 minutes or until no traces remain. Remove and wash contaminated clothing. Seek immediate medical attention/advice.

Ingestion: DO NOT induce vomiting. Give large quantities of water. Never give anything by mouth to an unconscious person. See a physician immediately.

Inhalation: Remove individual to fresh air. If breathing has stopped, give artificial respiration or administer oxygen.Get medical attention immediately.

FIRE-FIGHTING MEASURES

Flammable Properties: Not considered to be a fire hazard.

Extinguishing Media: Water, foam, water spray, carbon dioxide, or dry chemical.

Specific methods: In case of fire, stop leak if safe to do so.
Evacuate area and fight fire from a safe distance.
Keep people away from and upwind of spill/leak.
Suppress (knock down) gases/vapors/mists with a water spray jet.
In the event of fire, cool tanks with water spray.
Do not allow run-off from fire fighting to enter drains or water courses.

Specific hazards: Fire produces irritating, corrosive, and/or toxic gases.

Firefighting protective equipment: Wear self-contained breathing apparatus with a full facepiece operated pressure demand or other positive pressure mode and full body protective clothing when fighting fires.

Firefighting equipment/instructions: In the event of fire and/or explosion do not breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire. Move containers from fire area if you can do it without risk. Use water spray to cool unopened containers. Cool containers with flooding quantities of water until well after fire is out.

Specific methods: In the event of fire and/or explosion, do not breathe fumes. Use water spray to cool unopened containers. In the event of fire, cool tanks with water spray.

ACCIDENTAL RELEASE MEASURES

Personal Precautions: Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering. Keep unnecessary personnel away. Stay upwind. Keep out of low areas.

Methods for Containment: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewers, basements or confined areas.

Methods for Clean-up: When handling or dealing with spills, wear protective clothing as indicated in the Personal Protective Equipment section. Cover wet spills with an inert absorbent before sweeping up and disposing. If drum contents are contaminated or decomposing, isolate unsealed drum in the open or in a well-ventilated area.

HANDLING AND STORAGE

Storage: Keep locked-up. The pressure in sealed containers can increase under the influence of heat. Keep container tightly closed. Keep in a well-ventilated place. Keep out of the reach of children. Keep away from heat and flame.

Handling: Do not handle or store near an open flame, heat or other sources of ignition. All equipment used when handling the product must be grounded. Do not breathe vapors or spray mist. Wear self-contained breathing apparatus and protective suit. Use only with adequate ventilation. Avoid release to the environment. Wash thoroughly after handling.

General Hygiene Considerations: When using, do not smoke. Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practice.

EXPOSURE CONTROLS / PERSONAL PROTECTION

CHEMICAL NAME	ACGIH TLV	OSHA PEL
Potassium Hydroxide	2mg/m^3	2mg/m^3

Engineering measures: Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment:

Eye Protection: Face-shield.
Chemical resistant goggles must be worn.
Ensure that eyewash stations and safety showers are close to the workstation location.

Skin Protection: Chemical-resistant apron and boots. Wear chemical protective equipment that is specifically recommended by the manufacturer. Wear appropriate chemical resistant clothing. Closed-toe shoes recommended.

Hand protection: Chemical-resistant gloves.
Request information on glove permeation properties from the glove supplier.

PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance:	Slight amber
Odor:	Slight, sweet
Odor threshold:	Not available.
pH(neat):	Greater than 12.0 – 13.0
Solubility:	Complete in water
Vapor pressure:	Not available.
Vapor density:	Not available.
Specific gravity:	1.11
Boiling Point:	Greater than 200 ºF
Freezing Point:	Not applicable.
Flash point:	None below 200 ºF
Flammability limits in air, upper, % by volume:	Not available.
Flammability limits in air, lower, % by volume:	Not available.
Auto-ignition temperature:	Not available.
VOC:	100 % estimated
Viscosity:	20 cps
Percent volatile:	100 % estimated
Other data:	
Flash point class:	Not available.
Viscosity temperature:	77 °F (25 °C)

STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to Avoid: Heat, flames and sparks.

Incompatible Materials: Avoid contact with: Oxidizers, strong acids.

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, nitrogen oxides.

Hazardous Polymerization: Hazardous polymerization does not occur.

TOXICOLOGICAL INFORMATION

Chemical Name	Test Results
WTS-100	Acute Dermal LD50 Rabbit: <1000 mg/kg Acute Inhalation LC50 Rat: 1.5 mg/l/4h Acute Oral LD50 Rat: > 300 mg/kg

Eye Irritation: Corrosive
Skin Irritation: Corrosive
Sensitization: Not expected to be hazardous by OSHA criteria.

Chronic Effects: None known.

Carcinogenicity: Not expected to be hazardous by OSHA criteria.

Neurological effects: Not expected to be hazardous by OSHA criteria.

ECOLOGICAL INFORMATION

Ecotoxicological Data:

Chemical Name	Test Results
WTS-100	EC50 Daphnia: >560 mg/l 48 Hours LC50 Fish: >240 mg/l 96 hours estimated LC50 Rainbow Trout: >240 mg/l 96 Hours

Persistence: This product is believed not to be persistent in the environment.

Bioconcentration: This product is not believed to bioaccumulate.

Ecotoxicity: Components of this product have been identified as having potential moderate toxicity to aquatic animals.

DISPOSAL CONSIDERATIONS

Disposal Instructions: Do not allow this material to drain into sewers/water supplies. This product, in its present state,when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.20-24). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

TRANSPORTATION INFORMATION

Department of Transportation (DOT) Requirements

Basic Shipping Requirements

UN Number:	UN3266
Proper Shipping Name:	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
Hazard Class:	8
Packing Group:	III
Reportable Quantity (RQ):	21,000 lbs. POTASSIUM HYDROXIDE
Additional Information:	
Special Provisions:	IB3, T7, TP1, TP28
Packaging exceptions:	154
Packaging Non Bulk:	203
Packaging Bulk:	241
ERG Number:	154

TGD

Basic Shipping Requirements:

Proper Shipping Name:	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
Hazard Class:	8
UN Number:	UN3266
Packing Group:	III
Additional Information:	
Special Provisions:	IB3, T7, TP1, TP28
Packaging Exceptions:	154
Basic Shipping Requirements:	
Labels Required:	8
Additional Information:	
Packaging Non bulk:	203
Packaging Bulk:	241

IMDG

Basic Shipping Requirements:

Proper Shipping Name:	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S..
Hazard Class:	8
UN Number:	UN3266
Packing Group:	III
EmS Number:	F-A, S-B

IATA

Basic Shipping Requirements:

Proper Shipping Name:	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
Hazard Class:	8
UN Number:	UN3266
Packing Group:	III
Additional Information:	
ERG Code:	8L

DOT

TDG

IATA

IMDG

REGULATORY INFORMATION

US Federal Regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2):
Not regulated

DEA Essential Chemical Code Number: Not regulated

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c)):
Not regulated

DEA Exempt Chemical Mixtures Code Number:
Not regulated

CERCLA (Superfund) Reportable Quantity:

Superfund Amendments and Reauthorization Act of 1986 (SARA):

Hazard Categories:
Immediate Hazard – Yes
Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 Extremely Hazardous Substance: No

Section 311 Hazardous Chemical: No

Inventory Status:

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

State regulations: This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US - New Jersey RTK - Substances: Listed substance

OTHER INFORMATION

HMIS		**NFPA**	
Health	1	Health Hazard	1
Flammability	0	Fire Hazard	0
Physical Hazard	0	Instability	0
Personal Protection	B	Specific Hazard	COR

Disclaimer: THIS PRODUCT'S HEALTH AND SAFETY INFORMATION IS PROVIDED TO ASSIST OUR CUSTOMERS IN ASSESSING COMPLIANCE WITH HEALTH, SAFETY AND ENVIRONMENTAL REGULATIONS. THE INFORMATION CONTAINED HEREIN IS BASED ON DATA AVAILABLE TO US, AND IS BELIEVED TO BE ACCURATE, ALTHOUGH NO GUARANTEE OR WARRANTY IS PROVIDED OR IMPLIED BY THE COMPANY IN THIS RESPECT. SINCE THE USE OF THIS PRODUCT IS WITHIN THE EXCLUSIVE CONTROL OF THE USER, IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE CONDITIONS OF SAFE USE. SUCH CONDITIONS MUST COMPLY WITH ALL GOVERNMENTAL REGULATIONS.

Issue date: Not available.

The information on this Material Safety Data Sheet reflects the latest information and data that we have on hazards, properties, and handling of this product under the recommended conditions of use. Any use of this product or method of application which is not described in the Product Data Sheet is the responsibility of the user.

This Material Safety Data Sheet was prepared to comply with the OSHA Hazard Communication regulations.

SAFETY DATA SHEET

WTS-200

SCALE/CORROSION INHIBITOR

Water Treatment Services, Inc.
WTS
1514 Austin
South Houston, TX 77587
phone: 713.943.8952
fax: 713.943.0665
www.wtsi.cc

IDENTIFICATION

Product Name: **WTS-200**

Revision Date: 9/17/2015

Manufacturer Information: Water Treatment Services, Inc.
1514 Austin Street
South Houston, Texas 77587
713-943-8952

Emergency Phone: ChemTel 1-800-255-3924

HAZARDS IDENTIFICATION

Signal Word: DANGER

Hazard Statements:
H302: Harmful if swallowed.
H314: Causes severe sin burns and eye damage.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Pictogram:

Precautionary Statements:
P264: Wash (hands) thoroughly after handling.
P260: Do not breathe dust/fume/gas/mist/vapors/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response Statements:
P280: Wear protective gloves / protective clothing.
P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P307 + P311: IF exposed: Call a POISON CENTER or doctor / physician.

Potential Health Effects:
EYES: Causes eye irritation.

SKIN: Causes skin irritation after excessive contact.

INHALATION: Harmful if inhaled. Causes respiratory tract irritation.

COMPOSITION / INFORMATION ON INGREDIENTS

Components of this mixture may be proprietary information. In the event of a medical emergency, compositional information will be provided to a physician or nurse.

CHEMICAL NAME	CAS #	% by wt.
Potassium Hydroxide	1310-58-3	5-10%
Sodium Hexametaphosphate	68915-31-1	1-10%

FIRST AID MEASURES

Eye Exposure: Flush with clean, cool water for 15 minutes. Remove contact lenses. See a physician immediately, preferably an ophthalmologist.

Skin Exposure: Immediately flush skin with soap and running water for 15 minutes or until no traces remain. Remove and wash contaminated clothing. Seek immediate medical attention/advice. Discard contaminated shoes.

Ingestion: Never give anything by mouth to an unconscious person.
DO NOT induce vomiting. Rinse mouth and drink 1 or 2 glasses of water.
See a physician or transport to emergency facility immediately.

Inhalation: Remove individual to fresh air. If breathing has stopped, give artificial respiration or administer oxygen. Get medical attention immediately.

General Advice: In case of shortness of breath, give oxygen. Keep victim warm. Call a physician if symptoms develop or persist. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

FIRE-FIGHTING MEASURES

Flammable Properties: Not expected to burn.

Extinguishing Media: Water, foam, water spray, carbon dioxide, or dry chemical.

Specific methods: In case of fire, stop leak if safe to do soand cool tanks with water spray.
Evacuate area and fight fire from a safe distance.
Keep people away from and upwind of spill/leak.
Suppress (knock down) gases/vapors/mists with a water spray jet.
Do not allow run-off from fire fighting to enter drains or water courses.

Specific hazards: Fire may produce irritating, corrosive, and/or toxic gases.

Firefighting protective equipment: Wear self-contained breathing apparatus with a full facepiece operated pressure demand or other positive pressure mode and full body protective clothing when fighting fires.

Firefighting equipment/instructions: In the event of fire and/or explosion do not breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire. Move containers from fire area if you can do it without risk. Use water spray to cool unopened containers. Cool containers with flooding quantities of water until well after fire is out.

Specific methods: In the event of fire and/or explosion, do not breathe fumes. Use water spray to cool unopened containers. In the event of fire, cool tanks with water spray.

ACCIDENTAL RELEASE MEASURES

Personal Precautions: Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering. Keep unnecessary personnel away. Stay upwind. Keep out of low areas.

Methods for Containment: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewers, basements or confined areas.

Methods for Clean-up: When handling or dealing with spills, wear protective clothing as indicated in the Personal Protective Equipment section. Cover wet spills with an inert absorbent before sweeping up and disposing. If drum contents are contaminated or decomposing, isolate unsealed drum in the open or in a well-ventilated area.

HANDLING AND STORAGE

Storage: Keep locked-up. The pressure in sealed containers can increase under the influence of heat. Keep container tightly closed. Keep in a well-ventilated place. Keep out of the reach of children. Keep away from heat and flame.

Handling: Do not handle or store near an open flame, heat or other sources of ignition. All equipment used when handling the product must be grounded. Do not breathe vapors or spray mist. Wear self-contained breathing apparatus and protective suit. Use only with adequate ventilation. Avoid release to the environment. Wash thoroughly after handling.

General Hygiene Considerations: When using, do not smoke. Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practice.

EXPOSURE CONTROLS / PERSONAL PROTECTION

CHEMICAL NAME	ACGIH TLV	OSHA PEL
Potassium Hydroxide	2 mg/m^3	2 mg/m^3
Sodium Hexametaphosphate	3 mg/m^3	5 mg/m^3

Engineering measures: Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment:

Eye Protection: Face-shield.
Chemical resistant goggles must be worn.
Ensure that eyewash stations and safety showers are close to the workstation location.

Skin Protection: Chemical-resistant apron and boots. Wear chemical protective equipment that is specifically recommended by the manufacturer. Wear appropriate chemical resistant clothing. Closed-toe shoes recommended.

Hand protection: Chemical-resistant gloves.
Request information on glove permeation properties from the glove supplier.

PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance:	Slight amber
Odor:	Slight, sweet
Odor threshold:	Not available.
pH(neat):	Greater than 12.0 – 13.0
Solubility:	Complete in water
Vapor pressure:	Not available.
Vapor density:	Not available.
Specific gravity:	1.16
Boiling Point:	Greater than 200 ºF
Freezing Point:	Not applicable.
Flash point:	None below 200 ºF
Flammability limits in air, upper, % by volume:	Not available.
Flammability limits in air, lower, % by volume:	Not available.
Auto-ignition temperature:	Not available.
VOC:	100 % estimated
Viscosity:	20 cps
Percent volatile:	100 % estimated
Other data:	
Flash point class:	Not available.
Viscosity temperature:	77 °F (25 °C)

STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to Avoid: Heat, flames and sparks.

Incompatible Materials: Avoid contact with: Oxidizers, strong acids.

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, nitrogen oxides.

Hazardous Polymerization: Hazardous polymerization does not occur.

TOXICOLOGICAL INFORMATION

Chemical Name	Test Results
WTS-200	Acute Dermal LD50 Rabbit: >1000 mg/kg Acute Inhalation LC50 Rat: 1.5 mg/l/4h Acute Oral LD50 Rat: > 300 mg/kg

Eye Irritation:	Corrosive
Skin Irritation:	Corrosive
Sensitization:	Not expected to be hazardous by OSHA criteria.
Chronic Effects:	None known.
Carcinogenicity:	Not expected to be hazardous by OSHA criteria.
Neurological effects:	Not expected to be hazardous by OSHA criteria.

ECOLOGICAL INFORMATION

Ecotoxicological Data:

Chemical Name	Test Results
WTS-200	EC50 Daphnia: >560 mg/l 48 Hours LC50 Fish: >240 mg/l 96 hours estimated LC50 Rainbow Trout: >240 mg/l 96 Hours

Persistence: This product is believed not to be persistent in the environment.

Bioconcentration: This product is not believed to bioaccumulate.

Ecotoxicity: Components of this product have been identified as having potential moderate toxicity to aquatic animals.

DISPOSAL CONSIDERATIONS

Disposal Instructions: Do not allow this material to drain into sewers/water supplies. This product, in its present state,when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.20-24). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

TRANSPORTATION INFORMATION

Department of Transportation (DOT) Requirements

Basic Shipping Requirements

UN Number: UN3266
Proper Shipping Name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
Hazard Class: 8
Packing Group: III
Reportable Quantity (RQ): 1,000 lbs. Potassium Hydroxide
Additional Information:
Special Provisions: IB3, T7, TP1, TP28
Packaging exceptions: 154
Packaging Non Bulk: 203
Packaging Bulk: 241
ERG Number: 154

TGD

Basic Shipping Requirements:

Proper Shipping Name:	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
Hazard Class:	8
UN Number:	UN3266
Packing Group:	III
Additional Information:	
Special Provisions:	IB3, T7, TP1, TP28
Packaging Exceptions:	154
Basic Shipping Requirements:	
Labels Required:	8
Additional Information:	
Packaging Non bulk:	203
Packaging Bulk:	241

IMDG

Basic Shipping Requirements:

Proper Shipping Name:	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
Hazard Class:	8
UN Number:	UN3266
Packing Group:	III
EmS Number:	F-A, S-B

IATA

Basic Shipping Requirements:

Proper Shipping Name:	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
Hazard Class:	8
UN Number:	UN3266
Packing Group:	III
Additional Information:	
ERG Code:	8L

DOT

TDG

IATA

IMDG

REGULATORY INFORMATION

US Federal Regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2):
Not regulated

DEA Essential Chemical Code Number: Not regulated

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c)):
Not regulated

DEA Exempt Chemical Mixtures Code Number:
Not regulated

CERCLA (Superfund) Reportable Quantity:

Superfund Amendments and Reauthorization Act of 1986 (SARA):

Hazard Categories:
Immediate Hazard – Yes
Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 Extremely Hazardous Substance: No

Section 311 Hazardous Chemical: No

Inventory Status:

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

State regulations: This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US - New Jersey RTK - Substances: Listed substance

OTHER INFORMATION

HMIS		**NFPA**	
Health	1	Health Hazard	1
Flammability	0	Fire Hazard	0
Physical Hazard	0	Instability	0
Personal Protection	B	Specific Hazard	COR

Disclaimer: THIS PRODUCT'S HEALTH AND SAFETY INFORMATION IS PROVIDED TO ASSIST OUR CUSTOMERS IN ASSESSING COMPLIANCE WITH HEALTH, SAFETY AND ENVIRONMENTAL REGULATIONS. THE INFORMATION CONTAINED HEREIN IS BASED ON DATA AVAILABLE TO US, AND IS BELIEVED TO BE ACCURATE, ALTHOUGH NO GUARANTEE OR WARRANTY IS PROVIDED OR IMPLIED BY THE COMPANY IN THIS RESPECT. SINCE THE USE OF THIS PRODUCT IS WITHIN THE EXCLUSIVE CONTROL OF THE USER, IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE CONDITIONS OF SAFE USE. SUCH CONDITIONS MUST COMPLY WITH ALL GOVERNMENTAL REGULATIONS.

Issue date: Not available.

The information on this Material Safety Data Sheet reflects the latest information and data that we have on hazards, properties, and handling of this product under the recommended conditions of use. Any use of this product or method of application which is not described in the Product Data Sheet is the responsibility of the user.

This Material Safety Data Sheet was prepared to comply with the OSHA Hazard Communication regulations.

SAFETY DATA SHEET

WTS-230

OXYGEN SCAVENGER

Water Treatment Services, Inc.
WTS
1514 Austin
South Houston, TX 77587
phone: 713.943.8952
www.wtsi.cc

IDENTIFICATION

Product Name: **WTS-230**

Revision Date: 11/23/2015

Manufacturer Information: Water Treatment Services, Inc.
1514 Austin Street
South Houston, Texas 77587
713-943-8952

Emergency Phone: ChemTel 1-800-255-3924

HAZARDS IDENTIFICATION

Signal Word: WARNING

Hazard Statements: Harmful if swallowed. (H302)

Pictogram:

Precautionary Statements: Avoid breathing vapors. (P261)
Use only outdoors or in a well ventilated area. (P271)

Response Statements: IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. (P304 + P340)

Call a POISON CENTER or doctor if you feel unwell. (P312)

Potential Health Effects: EYES: May cause eye irritation.

SKIN: May cause skin irritation after excessive contact.

INHALATION: May be harmful if inhaled. May cause respiratory tract irritation.

COMPOSITION / INFORMATION ON INGREDIENTS

Components of this mixture may be proprietary information. In the event of a medical emergency, compositional information will be provided to a physician or nurse.

CHEMICAL NAME	CAS #	% by wt.
Sodium sulfite	7757-83-7	15-20%

FIRST AID MEASURES

Eye Exposure: Flush with clean, cool water for 15 minutes. Remove contact lenses. See a physician immediately, preferably an ophthalmologist.

Skin Exposure: Immediately flush skin with soap and running water for 15 minutes or until no traces remain. Remove and wash contaminated clothing. Seek immediate medical attention/advice. Discard contaminated shoes.

Ingestion: Never give anything by mouth to an unconscious person.
DO NOT induce vomiting. Rinse mouth and drink 1 or 2 glasses of water.
See a physician or transport to emergency facility immediately.

Inhalation: Remove individual to fresh air. Do not give mouth to mouth. If breathing has stopped, give artificial respiration or administer oxygen. Do not give mouth to mouth. Get medical attention immediately.

General Advice: In case of shortness of breath, give oxygen. Keep victim warm. Call a physician if symptoms develop or persist. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

FIRE-FIGHTING MEASURES

Flammable Properties: Non-flammable.

Extinguishing Media: Water, foam, water spray, carbon dioxide, or dry chemical.

Specific methods: In case of fire, stop leak if safe to do so.
Evacuate area and fight fire from a safe distance.
Keep people away from and upwind of spill/leak.
Suppress (knock down) gases/vapors/mists with a water spray jet.
In the event of fire, cool tanks with water spray.
Do not allow run-off from fire fighting to enter drains or water courses.

Specific hazards: Fire may produce irritating, corrosive, and/or toxic gases.

Firefighting protective equipment: Wear self-contained breathing apparatus with a full facepiece operated pressure demand or other positive pressure mode and full body protective clothing when fighting fires.

Firefighting equipment/instructions: In the event of fire and/or explosion do not breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also consider initial evacuation for 800 meters (1/2 mile) in all directions. ALWAYS stay away from tanks engulfed in flame. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire. Move containers from fire area if you can do it without risk. For massive fire, use unmanned hose holders or monitor nozzles;
if this is impossible, withdraw from area and let fire burn. Use water spray to cool unopened containers. Cool containers with flooding quantities of water until well after fire is out.

Specific methods: In the event of fire and/or explosion, do not breathe fumes. Use water spray to cool unopened containers. In the event of fire, cool tanks with water spray.

ACCIDENTAL RELEASE MEASURES

Personal Precautions: Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering. Keep unnecessary personnel away. Stay upwind. Keep out of low areas.

Methods for Containment: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewers, basements or confined areas.

Methods for Clean-up: When handling or dealing with spills, wear protective clothing as indicated in the Personal Protective Equipment section. Cover wet spills with an inert absorbent before sweeping up and disposing. If drum contents are contaminated or decomposing, isolate unsealed drum in the open or in a well-ventilated area.

HANDLING AND STORAGE

Storage: Keep locked-up. The pressure in sealed containers can increase under the influence of heat. Keep container tightly closed. Keep in a well-ventilated place. Keep out of the reach of children. Keep away from heat and flame.

Handling: Do not handle or store near an open flame, heat or other sources of ignition. All equipment used when handling the product must be grounded. Do not breathe vapors or spray mist. Wear self-contained breathing apparatus and protective suit. Use only with adequate ventilation. Avoid release to the environment. Wash thoroughly after handling.

General Hygiene Considerations: When using, do not smoke. Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practice.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment:

Eye Protection: Face-shield.
Chemical resistant goggles must be worn.
Ensure that eyewash stations and safety showers are close to the workstation location.

Skin Protection: Chemical-resistant apron and boots. Wear chemical protective equipment that is specifically recommended by the manufacturer. Wear appropriate chemical resistant clothing. Closed-toe shoes recommended.

Hand protection: Chemical-resistant gloves.
Request information on glove permeation properties from the glove supplier.

PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance:	Slight amber
Odor:	Slight, sweet
Odor threshold:	Not available.
pH(neat):	Greater than 9.0 – 10.0
Solubility:	Complete in water
Vapor pressure:	Not available.
Vapor density:	Not available.
Specific gravity:	1.19
Boiling Point:	Greater than 200 ºF
Freezing Point:	Not applicable.
Flash point:	None below 200 ºF
Flammability limits in air, upper, % by volume:	Not available.
Flammability limits in air, lower, % by volume:	Not available.
Auto-ignition temperature:	Not available.
VOC:	100 % estimated
Viscosity:	20 cps
Percent volatile:	100 % estimated
Other data:	
Flash point class:	Not available.
Viscosity temperature:	77 °F (25 °C)

STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to Avoid: Heat, flames and sparks.

Incompatible Materials: Avoid contact with: Oxidizers, strong acids.

Hazardous Decomposition Products: Sulfur dioxide.

Hazardous Polymerization: Hazardous polymerization does not occur.

TOXICOLOGICAL INFORMATION

Chemical Name	Test Results
WTS-230	Acute Dermal LD50 Rabbit: >1000 mg/kg Acute Inhalation LC50 Rat: 1.5 mg/l/4h Acute Oral LD50 Rat: 820 mg/kg (sodium sulfite)

Eye Irritation: Corrosive
Skin Irritation: Corrosive
Sensitization: Not expected to be hazardous by OSHA criteria.

Chronic Effects: None known.

Carcinogenicity: Not expected to be hazardous by OSHA criteria.

Neurological effects: Not expected to be hazardous by OSHA criteria.

ECOLOGICAL INFORMATION

Ecotoxicological Data:

Chemical Name	Test Results
WTS-230	EC50 Daphnia: >440 mg/l 48 Hours LC50 Fish: >460 mg/l 96 hours estimated LC50 Rainbow Trout: >460 mg/l 96 Hours

Persistence: This product is believed not to be persistent in the environment.

Bioconcentration: This product is not believed to bioaccumulate.

Ecotoxicity: Components of this product have been identified as having potential moderate toxicity to aquatic animals.

DISPOSAL CONSIDERATIONS

Disposal Instructions: Do not allow this material to drain into sewers/water supplies. This product, in its present state,when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.20-24). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

TRANSPORTATION INFORMATION

Department of Transportation (DOT) Requirements

Basic Shipping Requirements

UN Number: Not regulated
Proper Shipping Name: N/A
Hazard Class: N/A
Packing Group: N/A
Reportable Quantity (RQ): N/A
Additional Information:
Special Provisions: N/A
Packaging exceptions: N/A
Packaging Non Bulk: N/A
Packaging Bulk: N/A
ERG Number: N/A

TGD

Basic Shipping Requirements:

Proper Shipping Name: Not regulated
Hazard Class:
UN Number:
Packing Group:
Additional Information:
Special Provisions:
Packaging Exceptions:
Basic Shipping Requirements:
Labels Required:
Additional Information:
Packaging Non bulk:
Packaging Bulk:

IMDG

Basic Shipping Requirements: Not regulated

Proper Shipping Name:
Hazard Class:
UN Number:
Packing Group:
EmS Number:

IATA

Basic Shipping Requirements: Not regulated

Proper Shipping Name: .
Hazard Class:
UN Number:
Packing Group:
Additional Information:
ERG Code:

REGULATORY INFORMATION

US Federal Regulations:

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2):
Not regulated

DEA Essential Chemical Code Number: Not regulated
Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c)):
Not regulated
DEA Exempt Chemical Mixtures Code Number:
Not regulated

CERCLA (Superfund) Reportable Quantity:

Superfund Amendments and Reauthorization Act of 1986 (SARA):

Hazard Categories: Immediate Hazard – No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 Extremely Hazardous Substance: No

Section 311 Hazardous Chemical: No

State regulations: This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US - New Jersey RTK - Substances: N/A

OTHER INFORMATION

HMIS		**NFPA**	
Health	1	Health Hazard	1
Flammability	1	Fire Hazard	1
Physical Hazard	0	Instability	0
Personal Protection	B	Specific Hazard	

Disclaimer: THIS PRODUCT'S HEALTH AND SAFETY INFORMATION IS PROVIDED TO ASSIST OUR CUSTOMERS IN ASSESSING COMPLIANCE WITH HEALTH, SAFETY AND ENVIRONMENTAL REGULATIONS. THE INFORMATION CONTAINED HEREIN IS BASED ON DATA AVAILABLE TO US, AND IS BELIEVED TO BE ACCURATE, ALTHOUGH NO GUARANTEE OR WARRANTY IS PROVIDED OR IMPLIED BY THE COMPANY IN THIS RESPECT. SINCE THE USE OF THIS PRODUCT IS WITHIN THE EXCLUSIVE CONTROL OF THE USER, IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE CONDITIONS OF SAFE USE. SUCH CONDITIONS MUST COMPLY WITH ALL GOVERNMENTAL REGULATIONS.

Issue date: Not available.

The information on this Material Safety Data Sheet reflects the latest information and data that we have on hazards, properties, and handling of this product under the recommended conditions of use. Any use of this product or method of application which is not described in the Product Data Sheet is the responsibility of the user.

This Material Safety Data Sheet was prepared to comply with the OSHA Hazard Communication regulations.

SAFETY DATA SHEET

WTS-360

PRETREATING AGENT

Water Treatment Services, Inc.
WTS
1514 Austin
South Houston, TX 77587
phone: 713.943.8952
fax: 713.943.0665
www.wtsi.cc

IDENTIFICATION

Product Name: **WTS-360**

Revision Date: 11/23/2015

Manufacturer Information: Water Treatment Services, Inc.
1514 Austin Street
South Houston, Texas 77587
713-943-8952

Emergency Phone: ChemTel 1-800-255-3924

HAZARDS IDENTIFICATION

Signal Word: WARNING

Hazard Statements: Harmful if swallowed. (H302)

Pictogram:

Precautionary Statements: Avoid breathing vapors. (P261)
Use only outdoors or in a well ventilated area. (P271)

Response Statements: IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. (P304 + P340)

Call a POISON CENTER or doctor if you feel unwell. (P312)

Potential Health Effects: EYES: May cause eye irritation.

SKIN: May cause skin irritation after excessive contact.

INHALATION: May be harmful if inhaled. May cause respiratory tract irritation.

COMPOSITION / INFORMATION ON INGREDIENTS

Components of this mixture may be proprietary information. In the event of a medical emergency, compositional information will be provided to a physician or nurse.

CHEMICAL NAME	CAS #	% by wt.
N/A		

FIRST AID MEASURES

Eye Exposure: Flush with clean, cool water for 15 minutes. Remove contact lenses. See a physician immediately, preferably an ophthalmologist.

Skin Exposure: Immediately flush skin with soap and running water for 15 minutes or until no traces remain. Remove and wash contaminated clothing. Seek immediate medical attention/advice. Discard contaminated shoes.

Ingestion: Never give anything by mouth to an unconscious person.
DO NOT induce vomiting. Rinse mouth and drink 1 or 2 glasses of water.
See a physician or transport to emergency facility immediately.

Inhalation: Remove individual to fresh air. Do not give mouth to mouth. If breathing has stopped, give artificial respiration or administer oxygen. Do not give mouth to mouth. Get medical attention immediately.

General Advice: In case of shortness of breath, give oxygen. Keep victim warm. Call a physician if symptoms develop or persist. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

FIRE-FIGHTING MEASURES

Flammable Properties: Not expected to burn.

Extinguishing Media: Water, foam, water spray, carbon dioxide, or dry chemical.

Specific methods: In case of fire, stop leak if safe to do so.
Evacuate area and fight fire from a safe distance.
Keep people away from and upwind of spill/leak.
Suppress (knock down) gases/vapors/mists with a water spray jet.
In the event of fire, cool tanks with water spray.
Do not allow run-off from fire fighting to enter drains or water courses.

Specific hazards: Fire may produce irritating, corrosive, and/or toxic gases.

Firefighting protective equipment: Wear self-contained breathing apparatus with a full facepiece operated pressure demand or other positive pressure mode and full body protective clothing when fighting fires.

Firefighting equipment/instructions: In the event of fire and/or explosion do not breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also consider initial evacuation for 800 meters (1/2 mile) in all directions. ALWAYS stay away from tanks engulfed in flame. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire. Move containers from fire area if you can do it without risk. For massive fire, use unmanned hose holders or monitor nozzles;
if this is impossible, withdraw from area and let fire burn. Use water spray to cool unopened containers. Cool containers with flooding quantities of water until well after fire is out.

Specific methods: In the event of fire and/or explosion, do not breathe fumes. Use water spray to cool unopened containers. In the event of fire, cool tanks with water spray.

ACCIDENTAL RELEASE MEASURES

Personal Precautions: Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering. Keep unnecessary personnel away. Stay upwind. Keep out of low areas.

Methods for Containment: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewers, basements or confined areas.

Methods for Clean-up: When handling or dealing with spills, wear protective clothing as indicated in the Personal Protective Equipment section. Cover wet spills with an inert absorbent before sweeping up and disposing. If drum contents are contaminated or decomposing, isolate unsealed drum in the open or in a well-ventilated area.

HANDLING AND STORAGE

Storage: Keep locked-up. The pressure in sealed containers can increase under the influence of heat. Keep container tightly closed. Keep in a well-ventilated place. Keep out of the reach of children. Keep away from heat and flame.

Handling: Do not handle or store near an open flame, heat or other sources of ignition. All equipment used when handling the product must be grounded. Do not breathe vapors or spray mist. Wear self-contained breathing apparatus and protective suit. Use only with adequate ventilation. Avoid release to the environment. Wash thoroughly after handling.

General Hygiene Considerations: When using, do not smoke. Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practice.

EXPOSURE CONTROLS / PERSONAL PROTECTION

CHEMICAL NAME	ACGIH TLV	OSHA PEL
N/A		

Engineering measures: Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment:

Eye Protection: Face-shield.
Chemical resistant goggles must be worn.
Ensure that eyewash stations and safety showers are close to the workstation location.

Skin Protection: Chemical-resistant apron and boots. Wear chemical protective equipment that is specifically recommended by the manufacturer. Wear appropriate chemical resistant clothing. Closed-toe shoes recommended.

Hand protection: Chemical-resistant gloves.
Request information on glove permeation properties from the glove supplier.

PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance:	Slight amber
Odor:	Slight, sweet
Odor threshold:	Not available.
pH(neat):	Greater than 12.0 – 13.0
Solubility:	Complete in water
Vapor pressure:	Not available.
Vapor density:	Not available.
Specific gravity:	1.20
Boiling Point:	Greater than 200 ºF
Freezing Point:	Not applicable.
Flash point:	None below 200 ºF
Flammability limits in air, upper, % by volume:	Not available.
Flammability limits in air, lower, % by volume:	Not available.
Auto-ignition temperature:	Not available.
VOC:	100 % estimated
Viscosity:	20 cps
Percent volatile:	100 % estimated
Other data:	
Flash point class:	Not available.
Viscosity temperature:	77 °F (25 °C)

STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to Avoid: Heat, flames and sparks.

Incompatible Materials: Avoid contact with: Oxidizers, strong acids.

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, nitrogen oxides.

Hazardous Polymerization: Hazardous polymerization does not occur.

TOXICOLOGICAL INFORMATION

Chemical Name	Test Results
WTS-360	Acute Dermal LD50 Rabbit: <1000 mg/kg Acute Inhalation LC50 Rat: 1.5 mg/l/4h Acute Oral LD50 Rat: > 300 mg/kg

Eye Irritation: Corrosive
Skin Irritation: Corrosive
Sensitization: Not expected to be hazardous by OSHA criteria.

Chronic Effects: None known.

Carcinogenicity: Not expected to be hazardous by OSHA criteria.

Neurological effects: Not expected to be hazardous by OSHA criteria.

ECOLOGICAL INFORMATION

Ecotoxicological Data:

Chemical Name	Test Results
WTS-360	EC50 Daphnia: >560 mg/l 48 Hours LC50 Fish: >240 mg/l 96 hours estimated LC50 Rainbow Trout: >240 mg/l 96 Hours

Persistence: This product is believed not to be persistent in the environment.

Bioconcentration: This product is not believed to bioaccumulate.

Ecotoxicity: Components of this product have been identified as having potential moderate toxicity to aquatic animals.

DISPOSAL CONSIDERATIONS

Disposal Instructions: Do not allow this material to drain into sewers/water supplies. This product, in its present state,when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.20-24). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

TRANSPORTATION INFORMATION

Department of Transportation (DOT) Requirements

Basic Shipping Requirements

UN Number: Not Regulated
Proper Shipping Name:
Hazard Class:
Packing Group:
Reportable Quantity (RQ):
Additional Information:
Special Provisions:
Packaging exceptions:
Packaging Non Bulk:
Packaging Bulk:
ERG Number:
TGD

Basic Shipping Requirements:

Proper Shipping Name: Not Regulated
Hazard Class:
UN Number:
Packing Group:
Additional Information:
Special Provisions:
Packaging Exceptions:
Basic Shipping Requirements:
Labels Required:
Additional Information:
Packaging Non bulk:
Packaging Bulk:

IMDG

Basic Shipping Requirements:

Proper Shipping Name: Not Regulated
Hazard Class:
UN Number:
Packing Group:
EmS Number:

IATA

Basic Shipping Requirements:

Proper Shipping Name: Not Regulated
Hazard Class:
UN Number:
Packing Group:
Additional Information:
ERG Code:

REGULATORY INFORMATION

US Federal Regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2):
Not regulated

DEA Essential Chemical Code Number: Not regulated
Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c)):
Not regulated
DEA Exempt Chemical Mixtures Code Number:
Not regulated

CERCLA (Superfund) Reportable Quantity:

Superfund Amendments and Reauthorization Act of 1986 (SARA):

Hazard Categories: Immediate Hazard – Yes
Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 Extremely Hazardous Substance: No

Section 311 Hazardous Chemical: No

Inventory Status:

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes

Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

State regulations: This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US - New Jersey RTK - Substances: Listed substance

OTHER INFORMATION

HMIS		**NFPA**	
Health	1	Health Hazard	1
Flammability	0	Fire Hazard	0
Physical Hazard	0	Instability	0
Personal Protection	B	Specific Hazard	

Disclaimer: THIS PRODUCT'S HEALTH AND SAFETY INFORMATION IS PROVIDED TO ASSIST OUR CUSTOMERS IN ASSESSING COMPLIANCE WITH HEALTH, SAFETY AND ENVIRONMENTAL REGULATIONS. THE INFORMATION CONTAINED HEREIN IS BASED ON DATA AVAILABLE TO US, AND IS BELIEVED TO BE ACCURATE, ALTHOUGH NO GUARANTEE OR WARRANTY IS PROVIDED OR IMPLIED BY THE COMPANY IN THIS RESPECT. SINCE THE USE OF THIS PRODUCT IS WITHIN THE EXCLUSIVE CONTROL OF THE USER, IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE CONDITIONS OF SAFE USE. SUCH CONDITIONS MUST COMPLY WITH ALL GOVERNMENTAL REGULATIONS.

Issue date: Not available.

The information on this Material Safety Data Sheet reflects the latest information and data that we have on hazards, properties, and handling of this product under the recommended conditions of use. Any use of this product or method of application which is not described in the Product Data Sheet is the responsibility of the user.

This Material Safety Data Sheet was prepared to comply with the OSHA Hazard Communication regulations.

ATTACHMENT 4: PROOF OF PAYMENT

Print this voucher for your records. If you are sending the TCEQ hardcopy documents related to this payment, include a copy of this voucher.

Transaction Information

Voucher Number:	730759
Trace Number:	582EA000634185
Date:	11/13/2024 02:06 PM
Payment Method:	CC - Authorization 0000083223
Voucher Amount:	$1,200.00
Fee Type:	WW PERMIT - MINOR FACILITY SUBJECT TO 40 CFR 400-471 - RENEWAL
ePay Actor:	STEPHEN MACNEIL
Actor Email:	stevem@ingeniapolymers.com
IP:	165.225.216.233

Payment Contact Information

Name:	STEVE MACNEIL
Company:	INGENIA POLYMERS
Address:	1300 MCCABE RD, LA PORTE, TX 77571
Phone:	713-504-5791

Site Information

RN:	RN101613370
Site Name:	A SCHULMAN
Site Address:	1300 MCCABE RD, LA PORTE, TX 77571
Site Location:	FROM HIGHWAY 146 EXIT WARTON WEEMS THEN TURN RIGHT ON MCCABE ROAD

Customer Information

CN:	CN605767490
Customer Name:	STEVE MACNEIL
Customer Address:	1300 MCCABE RD, LA PORTE, TX 77571

Other Information

Program Area ID:	0003608000

Close

Your transaction is complete. Thank you for using TCEQ ePay.

Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt and the vouchers for your records. An email receipt has also been sent.

Transaction Information

Trace Number:	582EA000634185
Date:	11/13/2024 02:06 PM
Payment Method:	CC - Authorization 0000083223
ePay Actor:	STEPHEN MACNEIL
Actor Email:	stevem@ingeniapolymers.com
IP:	165.225.216.233
TCEQ Amount:	$1,215.00
Texas.gov Price:	$1,242.59*

* This service is provided by Texas.gov, the official website of Texas. The price of this service includes funds that support the ongoing operations and enhancements of Texas.gov, which is provided by a third party in partnership with the State.

Payment Contact Information

Name:	STEVE MACNEIL
Company:	INGENIA POLYMERS
Address:	1300 MCCABE RD, LA PORTE, TX 77571
Phone:	713-504-5791

Cart Items

Click on the voucher number to see the voucher details.

Voucher	Fee Description	AR Number	Amount
730759	WW PERMIT - MINOR FACILITY SUBJECT TO 40 CFR 400-471 - RENEWAL		$1,200.00
730760	30 TAC 305.53B WQ RENEWAL NOTIFICATION FEE		$15.00
		TCEQ Amount:	$1,215.00

ePay Again | Exit ePay

Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt for your records.

Print this voucher for your records. If you are sending the TCEQ hardcopy documents related to this payment, include a copy of this voucher.

Transaction Information

Voucher Number:	730760
Trace Number:	582EA000634185
Date:	11/13/2024 02:06 PM
Payment Method:	CC - Authorization 0000083223
Voucher Amount:	$15.00
Fee Type:	30 TAC 305.53B WQ RENEWAL NOTIFICATION FEE
ePay Actor:	STEPHEN MACNEIL
Actor Email:	stevem@ingeniapolymers.com
IP:	165.225.216.233

Payment Contact Information

Name:	STEVE MACNEIL
Company:	INGENIA POLYMERS
Address:	1300 MCCABE RD, LA PORTE, TX 77571
Phone:	713-504-5791

Close