

Superzyme

Enzymatic Detergent & Drain Cleaner

SuperZyme is a thickened enzyme detergent effective on organic soils such as fat, protein and grease. It clings to vertical surfaces providing the necessary contact time for the enzymes to work. Superzyme has a broad range of degradation capabilities needed for a multi-purpose product efficacious in maintenance of drain line and grease traps, improving septic and waste degradation and cleaning and odor control. SuperZyme can also be used as a laundry detergent, drain cleaner, or general purpose cleaner.

- **Thick, Clinging Formulation**
- **USDA & Kosher Approved**
- **Digests Organic Soils & Loosens Particulate Soils**
- **Easy Rinsing**

Usage Directions: Grease Traps: Consult Dilution Guidelines chart below for the optimal amount of SuperZyme for daily additon to clarifier/grease trap. SuperZyme can be dosed manually or with an automatic dosing machine such as the Dema DrainMaster. Add the appropriate quantity directly to the first stage of the clarifier/grease trap. This product can also be injected into the drain line feeding the clarifier/grease trap to assist with adequate dispersion. Aeration and/or pH control of the grease trap are necessary for the proper funtion of this product. SuperZyme is effective in pH range between 6.0 - 9.0 and a temperature range of 38°-145° (60°-90°F is optimal).

Commercial & Floor Drains: Consult Dilution Guidelines chart below for the optimal amount of SuperZyme for daily additon to drains. 1) Start-Up: Treat drains daily for 1 week at a time where drains will not be in use. 2) On-going Maintenance: Treat drains weekly at a time where drains will not be in use.

Safety & Hazards



Wear Protective Eye Glasses and Chemical-Resistant Gloves While Using Superzyme

Consult SDS for Further Safety Precautions

DOT Shipping Name: Not Regulated

Technical Information:

Appearance: Yellow Viscous Liquid
 Odor: Lemon
 pH: 7.0
 Foam: Moderate Foam

Associated Products:

Special Acid Cleaner, Heavy-Duty Acid Detergent and Descaler
 HD Caustic Cleaner, Non-Foaming Caustic Detergent
 MG 4-Quat, 5th Generation Quaternary Sanitizer & Disinfectant

Superzyme Dilution Guidelines	
Usage	Dilution
Grease Trap - 200 Gallon	10 Oz per Day
Grease Trap - 500-1500 Gallon	18 - 20 Oz Per Day
Grease Trap - 1500+ Gallon	32 - 40 Oz Per Day
Drains - Slow Running	6 - 8 Oz Per Day
Drains - Normal Maintenance	4 - 8 Oz Per Week
Floor Drains	Mix 1 Quart per Gallon Water for 6 - 8 Drains
Laundry Applications	5 - 10 Oz Per 50 Lb Load

Products Manufactured By:

Morgan • Gallacher, Inc.
 SUPERIOR CLEANING PRODUCTS
 8707 Millergrove Drive • Santa Fe Springs, CA 90670
 (562) 695-1232 • FAX: (562) 699-8953

Product Selection and General Use Chart

Superzyme

General Use: Enzymatic Detergent & Drain Cleaner

SuperZyme is a thickened enzyme detergent effective on organic soils such as fat, protein and grease. It clings to vertical surfaces providing the necessary contact time for the enzymes to work. Superzyme has a broad range of degradation capabilities needed for a multi-purpose product efficacious in maintenance of drain line and grease traps, improving septic and waste degradation and cleaning and odor control. SuperZyme can also be used as a laundry detergent, drain cleaner, or general purpose cleaner.

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Dilution Guidelines

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Drains - Slow Running	6 - 8 Oz Per Day

Safety & Hazards



Warning: Wash hands thoroughly after handling. Wear protective gloves/eye protection. Keep out of reach of children. Read label before use. Harmful if swallowed. Causes mild skin irritation. Causes eye irritation.

Product Class: Neutral

Protective Equipment Guide

A			
B			
C			
D			
E			
F			
G			
H			
I			
J			
K			
X	Ask Your Supervisor for Special Handling Instructions		

Wear Protective Eye Glasses and Chemical-Resistant Gloves While Using Superzyme

Products Manufactured By:

Letter of Guarantee

Superzyme

Morgan-Gallacher, Inc. guarantees the product Superzyme complies with the requirements set forth by the USDA FSIS for Nonfood Compounds Category Code L2: Bacteria/Enzyme Drain and Sewer Treatments. The description of Category Code L2 Bacteria/Enzyme Drain and Sewer Treatments is as follows:

Enzyme-containing products used in the cleaning and maintenance of drains and sewer lines.

To provide a means for NSF and FSIS inspectors to correlate lots or batches of material supplied to federally inspected plants with reports supplied to NSF by formulators, labels for bacterial/enzyme sewer and drain treatments shall have the product lot or batch number displayed so that it is identifiable as such.

Superzyme is free from undesirable microorganisms and is guaranteed safe and adequate as Category Code: L2 Bacteria/Enzyme Drain and Sewer Treatments when used as directed. This product does not intentionally contain any of the following heavy metals: antimony, arsenic, cadmium, lead, mercury, or selenium. None of the ingredients in this product are considered to be carcinogens, mutagens, teratogens, mineral acids, or odorous unless otherwise specified.

This document serves as a continuing letter of assurance and satisfies the conditions of 21 CFR Section 110.35 and the USDA Sanitation Performance Standards Compliance Guide.

Sincerely,

Original Signed By:

Ida Mariam
VP Technology & Regulatory Affairs

January 21, 2016

Date

Superzyme

Enzymatic Detergent & Drain Cleaner

- Thick, Clinging Formulation
- USDA & Kosher Approved
- Digests Organic Soils & Loosens Particulate Soils
- Easy Rinsing

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Net Contents:
Lot No.:
DOT Shipping Name: Not Regulated

Superzyme Enzymatic Detergent & Drain Cleaner

Usage Directions: Grease Traps: Consult Dilution Guidelines chart below for the optimal amount of SuperZyme for daily additon to clarifier/grease trap. SuperZyme can be dosed manually or with an automatic dosing machine such as the Dema DrainMaster. Add the appropriate quantity directly to the first stage of the clarifier/grease trap. This product can also be injected into the drain line feeding the clarifier/grease trap to assist with adequate dispersion. Aeration and/or pH control of the grease trap are necessary for the proper funtion of this product. SuperZyme is effective in pH range between 6.0 - 9.0 and a temperature range of 38°-145° (60°-90°F is optimal).

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Dilution Guidelines	
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Laundry Applications	5 - 10 Oz Per 50 Lb Load

These Guidelines Serve as Recommended Starting Points For Diluting This Product Only. The Dilution Required For Your Task May Vary. Contact Time, Temperature, Soil Load, and Other Factors Will Determine the Actual Dilution Required. Consult Your Morgan-Gallacher, Inc. Representative for More Specific Dilution Guidelines.

Empty Container Storage & Handling

Ensure Compliance with Local, State & Federal Regulations in Disposing of Container, Residual Contents and Rinsings. Drum Containers Must Be Completely Drained, Properly Closed and Promptly Returned to a Drum Reconditioner for Commercial Cleaning.

Product Class: Neutral

Safety & Hazards



Wear Protective Eye Glasses and Chemical-Resistant Gloves While Using Superzyme

Warning

Harmful if swallowed. Causes mild skin irritation. Causes eye irritation. Wash hands thoroughly after handling. Wear protective gloves/eye protection. Keep out of reach of children. Read label before use.

GHS Response Phrases

IF ON SKIN (OR HAIR) Wash with plenty of water. If skin irritation occurs, get medical advice/attention.
IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

IF INHALED

IF SWALLOWED Rinse mouth. Do NOT induce vomiting. Get immediate medical advice/attention.

Consult SDS for Further Safety Precautions

Products Manufactured By:



Made in the USA

8707 Millergrrove Drive • Santa Fe Springs • CA 90670
 (562) 695-1232 • FAX: (562) 699-8953

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: MORGAN-187-BULK
Product Name: Superzyme
Company Name: Morgan-Gallacher, Inc.
 8707 Millergrove Drive
 Santa Fe Springs, CA 90670
Phone Number: +1 (562)695-1232
Emergency Contact: CHEMTREC +1 (800)424-9300
Information: +1 (562)695-1232

2. HAZARDS IDENTIFICATION

Serious Eye Damage/Eye Irritation, Category 2B

Acute Toxicity: Oral, Category 4



GHS Signal Word: **Warning**
GHS Hazard Phrases: H320 - Causes eye irritation.
 H302 - Harmful if swallowed.
GHS Precaution Phrases: P264 - Wash hands thoroughly after handling.
 P280 - Wear protective gloves/protective clothing/eye protection.
 P102 - Keep out of reach of children.
 P103 - Read label before use.
GHS Response Phrases: P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P315 - Get immediate medical advice/attention.
 P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P315 - Get immediate medical advice/attention.
 P302 - IF ON SKIN: P352 - Wash with plenty of water. P332+313 - If skin irritation occurs, get medical advice/attention.
GHS Storage and Disposal Phrases: P501 - Dispose of contents/container in accordance to local, state and federal regulations.
Potential Health Effects (Acute and Chronic):
Skin Contact: May cause skin irritation. Repeated or prolonged exposure may cause drying of the skin.
Eye Contact: May cause eye irritation. May cause redness.
Ingestion: May be harmful if swallowed. May cause gastrointestinal irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
NA	Surfactant	<10.0 %

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

In Case of Skin Contact: Flush skin with plenty of water. If skin irritation occurs, get medical advice/attention.

In Case of Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

In Case of Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. If victim is conscious and alert, give 2-4 cupfuls of water. Get medical attention immediately.

Note to Physician: Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

5. FIRE FIGHTING MEASURES

Flash Pt: NA

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: NA

Suitable Extinguishing Media: Use water fog, dry chemical, carbon dioxide, or alcohol-resistant foam.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Flammable Properties and Hazards: High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures: Use proper personal protective equipment as indicated in Section 8.

Environmental Precautions: Observe all federal, state, and local environmental regulations.

Steps To Be Taken In Case Material Is Released Or Spilled: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling: Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Use with adequate ventilation.

Precautions To Be Taken in Storing: Do not store in direct sunlight. Protect containers against damage. Keep container tightly closed in a dry and well-ventilated place.

Other Precautions: Handle in accordance with good industrial hygiene and safety practice.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
NA	Surfactant	No data.	No data.	No data.

Respiratory Equipment (Specify Type):	No special respiratory protection equipment is required with normal use.
Eye Protection:	Safety glasses.
Protective Gloves:	Wear appropriate protective gloves to prevent skin exposure. Rubber or neoprene gloves.
Other Protective Clothing:	No data available.
Engineering Controls (Ventilation etc.):	No data available.
Work/Hygienic/Maintenance Practices:	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	<input type="checkbox"/> Gas	<input checked="" type="checkbox"/> Liquid	<input type="checkbox"/> Solid
Appearance and Odor:	Viscous. Hazy. Liquid.		
Melting Point:	NA		
Boiling Point:	NA		
Decomposition Temperature:	NA		
Autoignition Pt:	NA		
Flash Pt:	NA		
Explosive Limits:	LEL: No data.	UEL: No data.	
Specific Gravity (Water = 1):	0.998 - 1.018		
Density:	NA		
Vapor Pressure (vs. Air or mm Hg):	NA		
Vapor Density (vs. Air = 1):	NA		
Evaporation Rate:	NA		
Solubility in Water:	No data.		
Saturated Vapor Concentration:	NA		
Viscosity:	NA		
pH:	7 - 9		
Percent Volatile:	No data.		

10. STABILITY AND REACTIVITY

Reactivity:	High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, organic combustion products.
Stability:	Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/>
Conditions To Avoid - Instability:	Incompatible materials, High temperatures, Light.
Incompatibility - Materials To Avoid:	Strong acids.
Hazardous Decomposition Or Byproducts:	Carbon oxides, organic combustion products.
Possibility of Hazardous Reactions:	Will occur <input type="checkbox"/> Will not occur <input checked="" type="checkbox"/>
Conditions To Avoid - Hazardous Reactions:	No data available.

11. TOXICOLOGICAL INFORMATION

Toxicological Information:	<p>Epidemiology: No information found. Teratogenicity: No information available. Reproductive Effects: No information available. Mutagenicity: No information available. Neurotoxicity: Acute toxicity. No data available. Respiratory or skin sensitization: No information available.</p> <p>CAS# NA: Surfactant: Acute toxicity, LD50, Oral, Rat, 960.0 - 3980. MG/KG. Result: Cardiac:EKG changes not diagnostic of above. Nutritional and Gross Metabolic:Changes in:Ca. Nutritional and Gross Metabolic: Changes in: Metals, not otherwise specified. Acute toxicity, LD50, Dermal, Rabbit, 2000. - 2991. MG/KG. Result: Effects on Newborn: Stillbirth. Effects on Newborn: Live birth index (# fetuses per litter; measured after birth). Effects on Newborn: Weaning or lactation index (e.g., # alive at weaning per # alive at day {4}). Acute toxicity, LD50, Inhalation, Rat, 1.150 MG/L, 4 H. Result: Behavioral: Altered sleep time (including change in righting reflex). Behavioral: Somnolence (general depressed activity).</p>
Carcinogenicity/Other Information:	<p>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.</p> <p>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.</p> <p>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.</p> <p>OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.</p>
Carcinogenicity:	<p>NTP? No IARC Monographs? No OSHA Regulated? No</p>

12. ECOLOGICAL INFORMATION

General Ecological Information:	<p>Environmental: No information available. Physical: No information available. CAS# NA: Surfactant: LC50, Fathead Minnow (Pimephales promelas), 3.800 - 6.200 MG/L, 96 H. Result: Affected fish lost equilibrium prior to death. LC50, Water Flea (Daphnia magna), 9.300 - 21.40 MG/L, 48 H. Result: Affected fish lost equilibrium prior to death.</p>
Results of PBT and vPvB assessment:	No information available.
Persistence and Degradability:	No information available.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not Regulated.
DOT Hazard Class:
UN/NA Number:

15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
NA	Surfactant	No	No	No

CAS #	Hazardous Components (Chemical Name)
NA	Surfactant

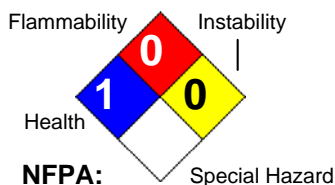
Other US EPA or State Lists

TSCA: No; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No

16. OTHER INFORMATION

Revision Date: 02/26/2015

Hazard Rating System:



Additional Information About This Product: No data available.

Company Policy or Disclaimer: While Morgan-Gallacher believes the statements set forth herein are accurate as of the date hereof, Morgan-Gallacher makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data is offered solely for your consideration, investigation, and verification.

1. IDENTIFICACIÓN DEL PRODUCTO QUÍMICO Y LA EMPRESA

Código del Producto: MORGAN-187-BULK
Nombre del Producto: Superzyme
Nombre de la Empresa: Morgan-Gallacher, Inc.
 8707 Millergrove Drive
 Santa Fe Springs, CA 90670
Número De Teléfono:
 +1 (562)695-1232
Contacto De la Emergencia: CHEMTREC +1 (800)424-9300
Información: +1 (562)695-1232

2. IDENTIFICACIÓN DE LOS RIESGOS

Lesiones oculares graves/irritación ocular, Categoría 2B
 Toxicidad aguda por ingestión, Categoría 4



SGA Palabra de advertencia: Atención

Frases del peligro de SGA: H320 - Causa irritación de ojos.
 H302 - Dañino si es deglutido.

Frases de la precaución de SGA: P264 - Lavarse cuidadosamente las manos después de la manipulación.
 P280 - Usar protective gloves/protective clothing/eye protection.
 P102 - Mantener fuera del alcance de los niños.
 P103 - Leer la etiqueta antes del uso.

Frases de la respuesta de SGA: P305+351+338 - EN CASO DE CONTACTO CON LOS OJOS: Lavar con agua cuidadosamente durante varios minutos. Quitar en su caso las lentes de contacto, si puede hacerse con facilidad. Proseguir con el lavado.
 P315 - Buscar asistencia médica inmediata.
 P301+330+331 - EN CASO DE INGESTIÓN: Enjuagarse la boca. NO provocar el vómito. P315 - Buscar asistencia médica inmediata.
 P302 - EN CASO DE CONTACTO CON LA PIEL: P352 - Lavar con abundante Agua.
 P332+313 - En caso irritación cutánea, consultar a un médico.

Frases del almacenaje y de la disposición de SGA: P501 - Eliminar el contenido/recipiente ...

Potenciales efectos en la salud (Agudo o Crónico):

Contacto con la piel: Puede provocar una irritación de la piel. La exposición repetida o prolongada puede causar sequedad de la piel.

Contacto con los ojos: Puede provocar una irritación en los ojos. Puede causar enrojecimiento.

Ingestión: Puede ser nocivo si es tragado. Podría causar irritación gastrointestinal.

3. COMPOSICIÓN/ INFORMACIÓN SOBRE LOS COMPONENTES

Numeros	Componentes peligrosos [química nombre]	Concentración
NA	Surfactant	<10.0 %

4. MEDIDAS EN PRIMEROS AUXILIOS

Procedimientos de

Emergencia y Primeros

Auxilios:

En caso de contacto con la piel: Enjuague la piel con abundante agua. En caso irritación cutánea, consultar a un médico.

En caso de contacto con los ojos: Ojos rasantes con el un montón de 15 minutos del agua por lo menos , de vez en cuando levantando los párpados superiores y más bajos. Quitar las lentes de contacto, si lleva y resulta fácil. Seguir aclarando. Buscar asistencia médica inmediata.

En caso de ingestión: NO provocar vómitos. Nunca debe administrarse nada por la boca a una persona inconsciente. Enjuague la boca con agua. Si la víctima está consciente y alerta, dé las copas de 2-4 de leche o de agua.

Informe para el médico: Convite sintomático y de apoyo. Mostrar esta ficha de seguridad al doctor que esté de servicio.

5. MEDIDAS DE LUCHA CONTRA INCENDIOS

Punto de encendido: NA

Límites de explosión: LEI: No información LES: No información

Punto de Auto-Ignición: NA

Medios Que extinguen Convenientes: Utilizar pulverización de agua, polvo químico seco, dióxido de carbono o espuma resistente al alcohol.

Instrucciones para combatir el fuego: Como en cualquier fuego, use un aparato respiratorio autónomo en presión-exigen, MSHA/NIOSH (aprobado o equivalente), y engranaje protector lleno.

Propiedades y riesgos de materiales inflamables: Las altas temperaturas y condiciones de incendio pueden resultar en la formación de monóxido de carbono y dióxido de carbono.

6. MEDIDAS CONTRA FUGAS ACCIDENTALES

Precauciones protectoras, equipo protector y procedimientos de emergencia: Use el equipo de protección personal adecuado que se indica en la Sección 8.

Precauciones ambientales: Observar todos los reglamentos estatales y locales sobre la protección del medio ambiente.

Pasos a ser tomados en cuenta en caso de que material se fugue o derrame: Absorba el derramamiento con el material inerte (e.g. vermiculita, arena o tierra), después colóquelo en envase conveniente.

7. MANIPULACIÓN Y ALMACENAMIENTO

Precauciones a ser tomadas en la manipulación: No consiga en ojos, en piel, o en la ropa. No injiera ni inhale. Utilice con la ventilación adecuada.

Precauciones para ser tomadas en almacenaje: No almacene en luz del sol directa. Proteja los recipientes contra daños. Conservar el envase herméticamente cerrado en un lugar seco y bien ventilado.

Otras precauciones: Manipular de acuerdo con las buenas prácticas de higiene y seguridad industrial.

8. CONTROL DE EXPOSICIÓN / PROTECCIÓN PERSONAL

Numeros	Nombre Químico Parcial	OSHA TWA	ACGIH TWA	Otra Limites
NA	Surfactant	No información	No información	No información
Equipo respiratorio (especificar el tipo):	Equipo especial de protección respiratoria es necesaria para el uso normal.			
Protección ocular:	Gafas de seguridad.			
Guantes protectores:	Use los guantes protectores apropiados para prevenir la exposición de piel. Guantes de goma o neopreno.			
Otras ropas protectoras:	No disponible			
Medidas de ingeniería [ventilación, etc.]:	No disponible			
Prácticas de trabajo / higiene / mantenimiento:	Manipular con las precauciones de higiene industrial adecuadas, y respetar las prácticas de seguridad.			

9. PROPIEDADES FÍSICAS Y QUÍMICAS

Estado físico:	[] Gas [X] Líquido [] Solido		
Aspecto y Olor:	Viscoso. Hazy. Líquido.		
Punto de Fusión:	NA		
Punto de Ebullición:	NA		
Temperatura de descomposición:	NA		
Punto de Auto-Ignición:	NA		
Punto de encendido:	NA		
Límites de explosión:	LEI: No información	LES: No información	
Gravedad Específica (Agua = 1):	0.998 - 1.018		
Densidad:	NA		
Presión de Vapor (vs. Aire o mm Hg):	NA		
Densidad de Vapor (vs. Aire = 1):	NA		
Indice de evaporación:	NA		
Solubilidad en Agua:	No información		
Concentración de Vapor Saturado:	NA		
Viscosidad:	NA		
pH:	7 - 9		
Volatilidad:	No información		

10. ESTABILIDAD Y REACTIVIDAD

Reactividad:	Las altas temperaturas y condiciones de incendio pueden resultar en la formación de monóxido de carbono y dióxido de carbono, productos de la combustión orgánica.
Estabilidad:	Inestable [] Estable [X]
Condiciones para evitar - Inestabilidad:	Materiales incompatibles, Temperaturas altas, Luz.
Incompatibilidad - Materiales para evitar:	Ácidos fuertes.
Peligrosa descomposición o	Óxidos de carbono, productos de la combustión orgánica.

derivados del producto:

Posibilidad de reacciones peligrosas: Sucederá [] No sucederá [X]

Condiciones para evitar - Reacciones Peligrosas:

No disponible

11. INFORMACIÓN TOXICOLÓGICA

Información Toxicológica:

Epidemiología: Ninguna información encontrada.
Teratogenicidad: Ninguna información disponible.
Efectos reproductivos: Ninguna información disponible.
Mutagenicidad: Ninguna información disponible.
Neurotoxicidad: Toxicidad aguda. Sin datos disponibles.
Sensibilización respiratoria o de piel: Ninguna información disponible.

CAS# NA: Surfactant: Toxicidad aguda, DL50, Oral, Rata, 960.0 - 3980. MG/KG.
Resultado: Cardíaco: EKG cambia no diagnóstico de arriba. Metabólico alimenticio y grueso: Cambios en: CA. Metabólicas nutricionales y Gross: Cambios en: Metales, no se especifique lo contrario.
Toxicidad aguda, DL50, Cutáneo, Conejo, 2000. - 2991. MG/KG. Resultado: Efectos sobre el Neonato: Nacimiento de Feto muerto. Efectos sobre recién nacido: Índice del nacimiento (# fetos por litera; medido después de nacimiento). Efectos sobre recién nacido: Índice del destete o de la lactancia (e.g., # vivo en el destete por # vivo en el día {4}).
Toxicidad aguda, DL50, Inhalación, Rata, 1.150 MG/L, 4 H. Resultado: Conducta: alteraciones en el ciclo del sueño. Conducta: Somnolencia (depresión general de la actividad).

Carcinogenicidad/Otras informaciones:

ACGIH: No se identifica ningún componente de este producto, que presente niveles mayores que o el igual a 0,1% como cancerígeno o como carcinógeno potencial por la ACGIH.

IARC: No se identifica ningún componente de este producto, que presente niveles mayores que o el igual a 0,1% como cancerígeno o como carcinógeno potencial por la IARC.

NTP: En este producto no se identifica ningún componente, que presente niveles mayores que o iguales a 0.1%, como agente carcinógeno conocido o anticipado por el (NTP) Programa Nacional de Toxicología.

No se identifica ningún componente de este producto, que presente niveles mayores que o el igual a 0,1% como cancerígeno o como carcinógeno potencial por la (OSHA) Administración de Salud y Seguridad Ocupacional.

Carcinogenicidad:

NTP No IARC No Regulado por OSHA? No

12. INFORMACIÓN ECOLÓGICA

Información Ecológica:

Medioambiental: No hay información disponible.
Físico: No hay información disponible.
CAS# NA: Surfactant: LC50, Fathead Minnow (Pimephales promelas), 3.800 - 6.200 MG/L, 96 H. Resultado: Los peces afectados pierden el equilibrio antes de la muerte.
LC50, Water Flea (Daphnia magna), 9.300 - 21.40 MG/L, 48 H. Resultado: Los peces afectados pierden el equilibrio antes de la muerte.

Resultados de la valoración

Ninguna información disponible.

PBT y mPmB:

Persistencia y degradabilidad: Ninguna información disponible.

Potencial de bioacumulación: Sin datos disponibles.

Movilidad en el suelo: Sin datos disponibles.

13. CONSIDERACIONES RELACIONADAS A LA ELIMINACIÓN

Método de eliminación los desperdicios: Los generadores inútiles del producto químico deben determinar si un producto químico desechado está clasificado como desechos peligrosos. Las pautas de los E.E.U.U. EPA para la determinación de la clasificación se enumeran en 40 partes de CFR 261. Además, los generadores inútiles deben consultar el estado y regulaciones locales de los desechos peligrosos para asegurar la clasificación completa y exacta. Observar todos los reglamentos estatales y locales sobre la protección del medio ambiente. Para la eliminación de este producto, dirigirse a un servicio profesional autorizado.

14. INFORMACIÓN RELACIONADA AL TRANSPORTE

TRANSPORTE POR TIERRA (US DOT):

DOT Nombre propio del envío: No regulado.

Clase De Peligro (DOT):

Número UN/NA:

15. INFORMACIÓN REGLAMENTARIA

Lista de la Ley de Reautorización y Enmiendas de Grandes Reservas(SARA) del 1986

Numeros CAS	Componentes peligrosos [química nombre]	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
NA	Surfactant	No	No	No

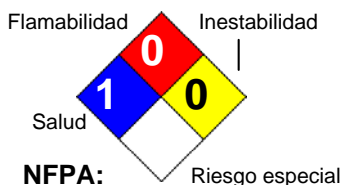
Numeros CAS Componentes peligrosos [química nombre] Otros E.E.U.U. EPA o listas del estado

NA	Surfactant	TSCA: No; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No
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16. OTRAS INFORMACIONES

Fecha de la revisión: 02/26/2015

Sistema de Estimación del Riesgo:



Información adicional acerca de este producto: No disponible

Política o negación de la compañía: Mientras Morgan-Gallacher cree las declaraciones que figuran en el presente documento son exactas a partir de la fecha del presente, Morgan-Gallacher ofrece ninguna garantía con respecto a la misma y se exime expresamente de toda responsabilidad por relación a lo mencionado. Estos datos se brindan sólo para evaluación, investigación y verificación.