

Powder MSR Inhibited

Powdered Acid Detergent

Powder MSR Inhibited is powdered acid detergent used for removing scale, minerals, salt residues, protein soils and rust in food production facilities. It can be used for descaling mineral and protein soils in any type of food production environment. This product is ideal for clean in place (CIP) applications. It may also be sprayed, mopped or brushed on all surfaces to be cleaned. It is especially useful in dairies, bakeries, egg processing plants, meat and poultry processing, tortilla production, bottling plants, breweries and wineries. Powder MSR Inhibited contains a corrosion inhibitor that prevents corrosion of metal surfaces as it cleans.

- **Aluminum Safe Acid Cleaner**
- **Useful in CIP and COP Applications**
- **Protects Metal From Corrosion as It Cleans**
- **Removes Scale, Mineral Deposits & Protein Residues**

Usage Directions: Dilute Powder MSR Inhibited in accordance with Dilution Guidelines chart. Make sure all powder is dissolved before proceeding. Apply solution with sprayer, sponge or scouring pad. Allow sufficient time for solution to penetrate soils and scrub as necessary. Rinse with fresh water and sanitize. Some soils may require multiple applications to remove heaviest soils.

Safety & Hazards



Wear Protective Eye Glasses and Chemical-Resistant Gloves While Using Powder MSR Inhibited

Consult SDS for Further Safety Precautions

DOT Shipping Name: UN 2967, Sulfamic Acid, Mixture, 8, PG III

Technical Information:

Appearance: Free Flowing White Powder
Odor: None
pH: <2.0
Foam: Low Foam

Associated Products:

FCC-7, Foaming Chlorinated Detergent with Caustic
CIP 150, Chlorinated CIP Detergent
MG 4-Quat, 5th Generation Quaternary Sanitizer & Disinfectant
MG Peracid 6, 5.6% Peroxyacetic Acid Sanitizer

Powder MSR Inhibited

Dilution Guidelines

Usage	Dilution
CIP Applications	1 - 3 Ounces per Gallon
COP Applications	2 - 6 Ounces per Gallon

Warning: Do Not Mix With Alkaline Or Chlorinated Products.

Products Manufactured By:



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

Product Selection and General Use Chart

Powder MSR Inhibited

General Use: Powdered Acid Detergent

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Dilution Guidelines

Usage	Dilution
CIP Applications	1 - 3 Ounces per Gallon
COP Applications	2 - 6 Ounces per Gallon

Safety & Hazards



Warning: Keep out of reach of children. Read label before use. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection. Harmful if swallowed. Causes skin irritation. Causes eye irritation.

Product Class: Acid

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 Powder MSR Inhibited

Attention: Do Not Mix With Alkaline Or Chlorinated Products.

Products Manufactured By:

Letter of Guarantee

Powder MSR Inhibited

Morgan-Gallacher, Inc. guarantees the product Powder MSR Inhibited complies with the requirements set forth by the USDA FSIS for Nonfood Compounds Category Code A3: Cleaning Product - Acid Cleaner. The description of Category Code A3 Cleaning Product - Acid Cleaner is as follows:

These acidic products consisting of mineral acids, organic acids, or acidic salts may be acceptable for use in any department for the removal of rust, corrosion, scale, or other deposits which are not readily removed by alkaline preparations.

The following apply to this product as well as all other cleaning products under Category Code A3:

1. All food products and packaging materials shall be removed or carefully protected prior to usage;
2. A potable water rinse is required after use;
3. When used according to manufacturer's instructions, cleaners shall not exhibit a noticeable odor nor leave a visible residue;

Powder MSR Inhibited is free from undesirable microorganisms and is guaranteed safe and adequate as Category Code: A3 Cleaning Product - Acid Cleaner 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

Powder MSR Inhibited

Powdered Acid Detergent

- Aluminum Safe Acid Cleaner
- Useful in CIP and COP Applications
- Protects Metal From Corrosion as It Cleans
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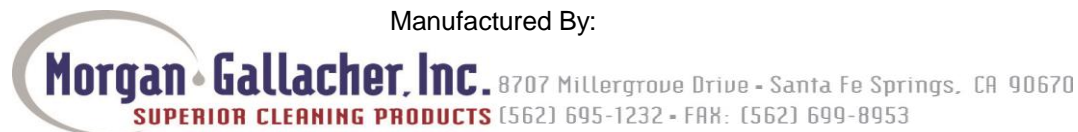
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Net Contents:

Lot No.:

DOT Shipping Name: UN 2967, Sulfamic Acid, Mixture, 8, PG III

Manufactured By:



Powder MSR Inhibited Powdered Acid Detergent

Usage Directions: Dilute Powder MSR Inhibited in accordance with Dilution Guidelines chart. Make sure all powder is dissolved before proceeding. Apply solution with sprayer, sponge or scouring pad. Allow sufficient time for solution to penetrate soils and scrub as necessary. Rinse with fresh water and sanitize. Some soils may require multiple applications to remove heaviest soils.

Dilution Guidelines	
Usage	Dilution
CIP Applications	1 - 3 Ounces per Gallon
COP Applications	2 - 6 Ounces per Gallon

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.

Warning: This product contains Sulfamic Acid. Harmful if swallowed. Causes skin irritation. Causes eye irritation. Keep out of reach of children. Read label before use. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection

Product Class: Acid

Safety & Hazards



Wear Protective Eye Glasses and Chemical-Resistant Gloves While Using Powder MSR Inhibited

Consult SDS for Further Safety Precautions
This Product Is Intended For Industrial and Institutional Use Only
KEEP OUT OF REACH OF CHILDREN

Do Not Mix With Alkaline Or Chlorinated Products.

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.

GHS Response Phrases

- IF ON SKIN** Remove/take off immediately all contaminated clothing. Rinse skin with plenty of water for 15 minutes. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing before reuse.
- 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 INGESTED** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Get medical advice/attention.
- IF INGESTED** Rinse mouth. Do NOT induce vomiting. Get immediate medical advice/attention.

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: MORGAN-232-BULK
Product Name: Powder MSR Inhibited
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

2. HAZARDS IDENTIFICATION

Serious Eye Damage/Eye Irritation, Category 1

Skin Corrosion/Irritation, Category 1B

Acute Toxicity: Oral, Category 4

Corrosive To Metals, Category 1



GHS Signal Word: **Danger**

GHS Hazard Phrases: H290 - May be corrosive to metals.
H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.

GHS Precaution Phrases: P102 - Keep out of reach of children.
P262 - Do not get in eyes, on skin, or on clothing.
P103 - Read label before use.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases: P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P315 - Get immediate medical advice/attention.
P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with plenty of water for 15 minutes.
P315 - Get immediate medical advice/attention.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342 - If experiencing respiratory symptoms: P313 - Get medical advice/attention.
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.

GHS Storage and Disposal Phrases: P405 - Store locked up.
P501 - Dispose of contents/container in accordance to local, state and federal regulations.

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

**Potential Health Effects
(Acute and Chronic):**

Inhalation: Causes respiratory tract irritation.
Skin Contact: Causes skin irritation. Concentrated solutions may produce corrosive effects.
Eye Contact: Causes eye irritation. Concentrated solutions may produce corrosive effects.
Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause burns to the digestive tract.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
5329-14-6	Sulphamic acid	<70.0 %

4. FIRST AID MEASURES

**Emergency and First Aid
Procedures:**

In Case of Inhalation: Remove person to fresh air and keep comfortable for breathing. Get medical aid immediately.

In Case of Skin Contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse.

In Case of Eye Contact: In case of contact, immediately flush eyes with plenty of water for a t least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical aid immediately.

In Case of Ingestion: If swallowed, do NOT induce vomiting. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.

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

5. FIRE FIGHTING MEASURES

Flash Pt: NP

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

Autoignition Pt: NP

Suitable Extinguishing Media: No data available.

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. Use water delivered as a fine spray to control the fire and cool adjacent area. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Flammable Properties and Hazards: No data available.

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: Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions. Provide ventilation.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling:	Use with adequate ventilation. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Minimize dust generation and accumulation. Do not breathe dust.
Precautions To Be Taken in Storing:	Store in a cool, dry, well-ventilated area away from incompatible substances. Store in a tightly closed container. Keep container closed when not in use.
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
5329-14-6	Sulphamic acid	No data.	No data.	No data.
Respiratory Equipment (Specify Type):	Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).			
Eye Protection:	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.			
Protective Gloves:	Wear appropriate protective gloves to prevent skin exposure. Rubber or neoprene gloves.			
Other Protective Clothing:	Wear appropriate protective clothing to prevent skin exposure.			
Engineering Controls (Ventilation etc.):	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.			
Work/Hygienic/Maintenance Practices:	Handle in accordance with good industrial hygiene and safety practice.			

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	[] Gas [] Liquid [X] Solid	
Appearance and Odor:	Off-white. Free flowing granules.	
Melting Point:	205.00 C	
Boiling Point:	NA	
Autoignition Pt:	NP	
Flash Pt:	NP	
Explosive Limits:	LEL: No data.	UEL: No data.
Specific Gravity (Water = 1):	1.40	
Density:	11.66	
Vapor Pressure (vs. Air or mm Hg):	No data.	
Vapor Density (vs. Air = 1):	No data.	
Evaporation Rate:	No data.	
Solubility in Water:	100%	
pH:	> 1.0 (1%Sol)	
Percent Volatile:	No data.	

10. STABILITY AND REACTIVITY

Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	dust generation.
Incompatibility - Materials To Avoid:	Strong oxidizing agents, Strong bases, Nitric acid, chlorine, attacks metals in the presence of moisture.
Hazardous Decomposition or Byproducts:	Nitrogen oxides, oxides of sulfur, irritating and toxic fumes and gases, ammonia and/or derivatives.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.

11. TOXICOLOGICAL INFORMATION

Toxicological Information:	Epidemiology: No information available. Teratogenicity: No information available. Mutagenicity: No information available. Reproductive Effects: No information available. Neurotoxicity: No information available.
Irritation or Corrosion:	Other Studies: CAS# 5329-14-6: Acute toxicity, LD50, Oral, Rat, 3160 mg/kg Other Studies: CAS# 5329-14-6: Standard Draize Test, Skin, Species: Rabbit, 500 mg, 24H Standard Draize Test, Eyes, Species: Rabbit, 20 mg
Carcinogenicity/Other Information:	CAS# 5329-14-6: Not listed by ACGIH, IARC, NTP, or CA Prop 65.
Carcinogenicity:	NTP? No IARC Monographs? No OSHA Regulated? No

12. ECOLOGICAL INFORMATION

General Ecological Information:	Environmental: No information available. Physical: No information available.
Results of PBT and vPvB assessment:	Other Studies: CAS# 5329-14-6: LC50, Fathead Minnow (Pimephales promelas), 14200 ug/l, 96 H
Persistence and Degradability:	No data available.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:	Observe all federal, state, and local environmental regulations. 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. Contact a licensed professional waste disposal service to dispose of this material.
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14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Sulfamic acid.
DOT Hazard Class: 8 CORROSIVE
UN/NA Number: UN2967 **Packing Group:** III



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)
5329-14-6	Sulphamic acid	No	No	No

CAS #	Hazardous Components (Chemical Name)
5329-14-6	Sulphamic acid

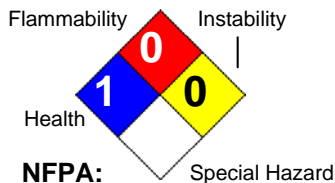
Other US EPA or State Lists

TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: Yes - 1770; NY Part 597: No; PA HSL: No

16. OTHER INFORMATION

Revision Date: 10/12/2014

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-232-BULK
Nombre del Producto: Powder MSR Inhibited
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

2. IDENTIFICACIÓN DE LOS RIESGOS

Lesiones oculares graves/irritación ocular, Categoría 1
Corrosión/irritación cutáneas, Categoría 1B
Toxicidad aguda por ingestión, Categoría 4
Sustancias y mezclas corrosivas para los metales, Categoría 1



SGA Palabra de advertencia: Peligro

Frases del peligro de SGA: H290 - Puede ser corrosiva para los metales.
H302 - Dañino si es deglutido.
H314 - Provoca graves quemaduras en la piel y lesiones oculares.

Frases de la precaución de SGA: P102 - Mantener fuera del alcance de los niños.
P262 - Evitar todo contacto con los ojos, la piel o la ropa.
P103 - Leer la etiqueta antes del uso.
P260 - No respirar polvos/humos/gases/nieblas/vapores/aerosoles.
P264 - Lavarse cuidadosamente las manos después de la manipulación.
P280 - Usar guantes /ropa protectora/equipo de protección para los ojos/la cara.

Frases de la respuesta de SGA: P301+330+331 - EN CASO DE INGESTIÓN: Enjuagarse la boca. NO provocar el vómito.
P315 - Buscar asistencia médica inmediata.
P303+361+353 - EN CASO DE CONTACTO CON LA PIEL (o el pelo): Quitar inmediatamente la ropa contaminada. Lavar la piel con agua/ ducharse.
P315 - Buscar asistencia médica inmediata.
P304+340 - EN CASO DE INHALACIÓN: Transportar a la víctima al aire libre y mantenerla en una posición que facilite la respiración.
P342 - En caso de síntomas respiratorios: P313 - Consultar a un médico.
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.

Frases del almacenaje y de la disposición de SGA: P405 - Guardar bajo llave.
P501 - Eliminar el contenido/recipiente ...

Estado regulador del OSHA: Este material está clasificado como peligroso bajo las regulaciones de la OSHA.

Potenciales efectos en la salud (Agudo o Crónico):

- Inhalación:** Provoca una irritación del tracto respiratorio.
- Contacto con la piel:** Provoca irritaciones de la piel. Las soluciones concentradas pueden producir efectos corrosivos.
- Contacto con los ojos:** Provoca una irritación en los ojos. Las soluciones concentradas pueden producir efectos corrosivos.
- Ingestión:** Podría causar la irritación gastrointestinal con náusea, vomitar y diarrea. Puede causar quemaduras en el tracto digestivo.

3. COMPOSICIÓN/ INFORMACIÓN SOBRE LOS COMPONENTES

Numeros	Componentes peligrosos [química nombre]	Concentración
5329-14-6	Sulphamic acid	<70.0 %

4. MEDIDAS EN PRIMEROS AUXILIOS

Procedimientos de Emergencia y Primeros Auxilios:

- En caso de inhalación:** Transportar a la persona al aire libre y mantenerla en una posición que le facilite la respiración. Consiga la ayuda médica inmediatamente.
- En caso de contacto con la piel:** En caso de contacto, limpie inmediatamente la piel con un chorro de agua con el un montón de agua. Quitar la ropa y el calzado contaminados. Lave la ropa antes de la reutilización.
- En caso de contacto con los ojos:** En caso de contacto, limpie inmediatamente los ojos con un chorro de agua con el un montón de agua para un t menos 15 minutos. Quitar las lentes de contacto, si lleva y resulta fácil. Seguir aclarando. Consiga la ayuda médica inmediatamente.
- En caso de ingestión:** Si está tragado, no induzca vomitar. Si la víctima es completamente consciente, dé una copa de agua. Nunca debe administrarse nada por la boca a una persona inconsciente.
- 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:** NP
- Límites de explosión:** LEI: No información LES: No información
- Punto de Auto-Ignición:** NP
- Medios Que extinguen Convenientes:** No disponible
- 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. Utilizar el agua suministrada como un rocío fino para controlar el fuego y enfriar el área adyacente. Durante un fuego, la irritación y los gases altamente tóxicos se pueden generar por la descomposición termal o la combustión.
- Propiedades y riesgos de materiales inflamables:** No disponible

6. MEDIDAS CONTRA FUGAS ACCIDENTALES

- Precauciones protectoras, equipo protector y procedimientos de emergencia:** Utilice el equipo protector personal apropiado según lo indicado 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:** Barra o absorba el material, después colóquelo en un limpio conveniente, seco, de contenedor cerrado para la disposición. Evite generar condiciones polvorientas. Proporcione la ventilación.

7. MANIPULACIÓN Y ALMACENAMIENTO

- Precauciones a ser tomadas en la manipulación:** Utilice con la ventilación adecuada. No consiga en ojos, en piel, o en la ropa. Lavarse cuidadosamente después de la manipulación. Quite la ropa contaminada y la colada antes de la reutilización. Reduzca al mínimo la generación y la acumulación del polvo. No inhalar el polvo.
- Precauciones para ser tomadas en almacenaje:** Almacén en un área fresca, seca, well-ventilated lejos de sustancias incompatibles. Almacén en un firmemente de contenedor cerrado. Mantenga el envase cerrado cuando es parado.
- 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
5329-14-6	Sulphamic acid	No información	No información	No información
Equipo respiratorio (especificar el tipo):	Usar respiradores y componenetes testados y aprovados bajo los standards gubernamentales apropiados como NIOSH (EEUU) o CEN (UE)			
Protección ocular:	Use las lentes protectoras apropiadas o los anteojos de la seguridad de los productos químicos según lo descrito por las regulaciones de la protección del ojo y de la cara del OSHA en 29 CFR 1910.133 o el estándar europeo EN166.			
Guantes protectores:	Use los guantes protectores apropiados para prevenir la exposición de piel. Guantes de goma o neopreno.			
Otras ropas protectoras:	Use la ropa protectora apropiada para prevenir la exposición de piel.			
Medidas de ingeniería [ventilación, etc.]:	Las instalaciones que almacenan o que utilizan este material se deben equipar de una facilidad del colirio y de una ducha de la seguridad. Utilice la ventilación de extractor general o local adecuada para guardar concentraciones aerotransportadas debajo de los límites de exposición permitidos.			
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 [] Líquido [X] Sólido	
Aspecto y Olor:	grisáceo. Gránulos de flujo libre.	
Punto de Fusión:	205.00 C	
Punto de Ebullición:	NA	
Punto de Auto-Ignición:	NP	
Punto de encendido:	NP	
Límites de explosión:	LEI: No información	LES: No información
Gravedad Específica (Agua = 1):	1.40	
Densidad:	11.66	
Presión de Vapor (vs. Aire o mm Hg):	No información	
Densidad de Vapor (vs. Aire = 1):	No información	
Índice de evaporación:	No información	
Solubilidad en Agua:	100%	
pH:	> 1.0 (1%Sol)	
Volatilidad:	No información	

10. ESTABILIDAD Y REACTIVIDAD

Estabilidad:	Inestable [] Estable [X]
Condiciones para evitar - Inestabilidad:	saque el polvo de la generación.
Incompatibilidad - Materiales para evitar:	Agentes oxidantes fuertes, Bases fuertes, Ácido nítrico, Cloro, ataca los metales en presencia de la humedad.
Peligrosa descomposición o derivados del producto:	Óxidos de nitrógeno, óxidos del sulfuro, humos y gases irritantes y tóxicos, amoníaco y/o derivados.
Posibilidad de reacciones peligrosas:	Sucedirá [] No sucederá [X]
Condiciones para evitar - Reacciones Peligrosas:	No disponible

11. INFORMACIÓN TOXICOLÓGICA

Información Toxicológica:	Epidemiología: Ninguna información disponible. Teratogenicidad: Ninguna información disponible. Mutagenicidad: Ninguna información disponible. Efectos reproductivos: Ninguna información disponible. Neurotoxicidad: Ninguna información disponible.
Irritación o la corrosión:	Otros Estudios: CAS # 5329-14-6: Toxicidad aguda, DL50, oral, rata, 3160 mg / kg. Otros Estudios: CAS # 5329-14-6: Prueba Draize estándar, Piel, Especies: conejo, 500 mg, 24H Prueba Draize estándar, Ojos, Especies: conejo, 20 mg.
Carcinogenicidad/Otras informaciones:	CAS# 5329-14-6: No enumerado por el apoyo 65 del ACGIH, de la CIRC, del NTP, o del CA.
Carcinogenicidad:	NTP No IARC No Regulado por OSHA? No

12. INFORMACIÓN ECOLÓGICA

Información Ecológica:	Ambiental: Ninguna información disponible. Comprobación: Ninguna información disponible.
Resultados de la valoración PBT y mPmB:	Otros Estudios: CAS # 5329-14-6: CL50, Fathead Minnow (Pimephales promelas), 14 200 ug / l, 96 H.
Persistencia y degradabilidad:	Sin datos disponibles.
Potencial de bioacumulación:	Sin datos disponibles.
Movilidad en el suelo:	Sin datos disponibles.

13. CONSIDERACIONES RELACIONADAS A LA ELIMINACIÓN

Método de eliminación los desperdicios:	Observar todos los reglamentos estatales y locales sobre la protección del medio ambiente. 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. Para la eliminación de este producto, dirigirse a un servicio profesional autorizado.
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14. INFORMACIÓN RELACIONADA AL TRANSPORTE

TRANSPORTE POR TIERRA (US DOT):

DOT Nombre propio del envío:	ácido sulfámico.		
Clase De Peligro (DOT):	8	CORROSIVO	
Número UN/NA:	UN2967	Grupo del embalaje:	III



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)
5329-14-6	Sulphamic acid	No	No	No

Numeros CAS	Componentes peligrosos [química nombre]
5329-14-6	Sulphamic acid

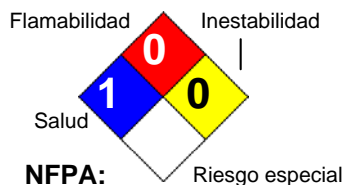
Otros E.E.U.U. EPA o listas del estado

TSCA: Sí - Inventory; CA PROP.65: No; CA TAC, Title 8: No;
MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: Sí - 1770;
NY Part 597: No; PA HSL: No

16. OTRAS INFORMACIONES

Fecha de la revisión: 10/12/2014

**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.