

# Acidisolve

## Acidic Spray & CIP Detergent

Acidisolve is a mild acid detergent useful in dairy operations, cheese plants, ice cream plants, bottling, vegetable processors, and numerous other food processing facilities. This product is an economical acid rinse that can be used to neutralize residual alkaline films such as hard water film, calcium deposits, beerstone and milkstone. Acidisolve will brighten and bring back the shine on metal surfaces.

• **Effective in Dairy, Cheese & Bottling Facilities**

• **Removes Hard Water Scale & Calcium Build Up**

**Usage Directions:** Dilute Acidisolve in accordance with Dilution Guidelines chart. For CIP Flow Method: Add ½ - 1 ounce Acidisolve per each gallon of water. Pump through the system until full flow is obtained at all extremities. Close drain valves and hold solution under pressure for at least 2 minutes to insure contact with all internal surfaces. Drain the solution and rinse with fresh water.

### Safety & Hazards



Wear Protective Eye Glasses, Chemical-Resistant Gloves and Waterproof Apron While Using Acidisolve

**Consult SDS for Further Safety Precautions**

**DOT Shipping Name:** UN 1805, Phosphoric Acid Solution, 8, PG III

### Technical Information:

Appearance: Clear Yellowish Liquid  
Odor: Typical  
pH: <1.0  
Foam: Moderate Foam

### Associated Products:

FCC-3, Foaming Chlorinated Detergent With Caustic & Rinse Agents  
MG 4-Quat, 5th Generation Quaternary Sanitizer & Disinfectant

### Acidisolve

#### Dilution Guidelines

| Usage              | Dilution                      |
|--------------------|-------------------------------|
| CIP Applications   | ½ - 1 Ounce Per Gallon Water  |
| Spray Applications | 1 - 2 Ounces Per Gallon Water |

Warning: Do Not Mix With Alkaline Or Chlorinated Products.

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

# Acidisolve

## General Use: Acidic Spray & CIP Detergent

Acidisolve is a mild acid detergent useful in dairy operations, cheese plants, ice cream plants, bottling, vegetable processors, and numerous other food processing facilities. This product is an economical acid rinse that can be used to neutralize residual alkaline films such as hard water film, calcium deposits, beerstone and milkstone. Acidisolve will brighten and bring back the shine on metal surfaces.

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## Dilution Guidelines

| Usage              | Dilution                      |
|--------------------|-------------------------------|
| CIP Applications   | ½ - 1 Ounce Per Gallon Water  |
| Spray Applications | 1 - 2 Ounces Per Gallon Water |
|                    |                               |

## Safety & Hazards



**Danger:** Keep out of reach of children. Read label before use. Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection. Take any precaution to avoid mixing with alkaline or chlorinated products. Causes severe skin burns and eye damage. Harmful if swallowed. May be corrosive to metals.

**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, Chemical-Resistant Gloves and Waterproof Apron While Using Acidisolve

Attention: Do Not Mix With Alkaline Or Chlorinated Products.

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# Letter of Guarantee

# Acidisolve

Morgan-Gallacher, Inc. guarantees the product Acidisolve complies with the requirements set forth by the USDA FSIS for Nonfood Compounds Category Code A1: Cleaning Product - General Use. The description of Category Code A1 Cleaning Product - General Use is as follows:

These products are used for general cleaning on all surfaces, or for use with steam or mechanical cleaning devices in all departments. They are typically neutral or mildly alkaline products consisting of any combination of soaps, detergents, wetting agents, emulsifiers, solubilizers, and common inorganic builders.

The following apply to this product as well as all other cleaning products under Category Code A1:

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;

Acidisolve is free from undesirable microorganisms and is guaranteed safe and adequate as Category Code: A1 Cleaning Product - General Use 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

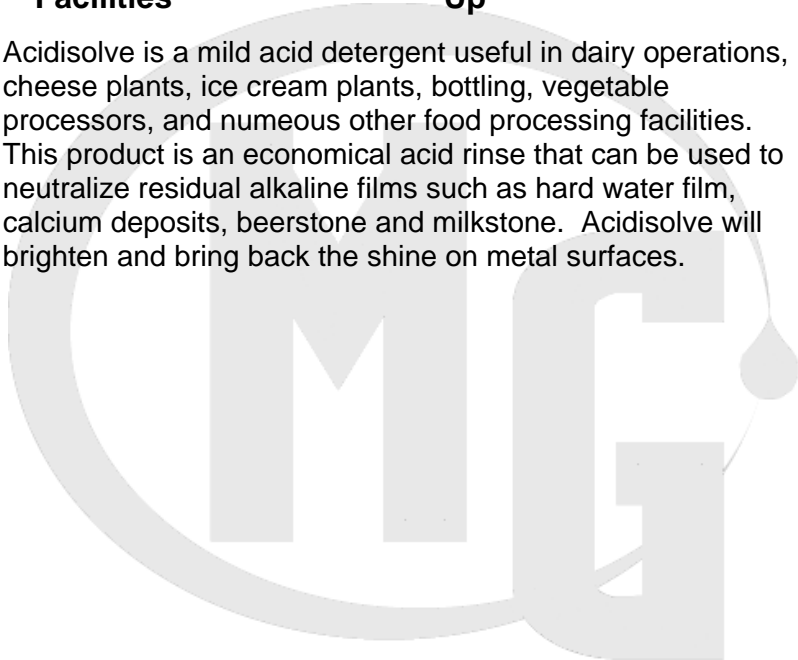
# Acidisolve

## Acidic Spray & CIP Detergent

- **Effective in Dairy, Cheese & Bottling Facilities**

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**Net Contents:**

**Lot No.:**

**DOT Shipping Name:** UN 1805, Phosphoric Acid Solution, 8, PG III

## Acidisolve Acidic Spray & CIP Detergent

**Usage Directions:** Dilute Acidisolve in accordance with Dilution Guidelines chart. For CIP Flow Method: Add ½ - 1 ounce Acidisolve per each gallon of water. Pump through the system until full flow is obtained at all extremities. Close drain valves and hold solution under pressure for at least 2 minutes to insure contact with all internal surfaces. Drain the solution and rinse with fresh water.

| Dilution Guidelines |                               |
|---------------------|-------------------------------|
| Usage               | Dilution                      |
| CIP Applications    | ½ - 1 Ounce Per Gallon Water  |
| Spray Applications  | 1 - 2 Ounces Per Gallon Water |

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.

**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.

**This Product Is Intended For Industrial and Institutional Use Only**

**KEEP OUT OF REACH OF CHILDREN**

## Product Class: Acid

### Safety & Hazards



Wear Protective Eye Glasses, Chemical-Resistant Gloves and Waterproof Apron While Using Acidisolve

### Danger

This product contains Phosphoric Acid. Causes severe skin burns and eye damage. Harmful if swallowed. May be corrosive to metals. Keep out of reach of children. Read label before use. Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection. Take any precaution to avoid mixing with alkaline or chlorinated products.

### GHS Response Phrases

**IF ON SKIN (OR HAIR)** Remove/take off immediately all contaminated clothing. Rinse skin with plenty of water for 15 minutes. Get immediate 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 INHALED** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Get medical advice/attention.

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

**Consult SDS for Further Safety Precautions**

Products Manufactured By:



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

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** MORGAN-283-BULK  
**Product Name:** Acidisolve  
**Company Name:** Morgan-Gallacher, Inc.  
 8707 Millergrove Drive  
 Santa Fe Springs, CA 90670  
**Emergency Contact:** CHEMTREC

**Phone Number:**  
 +1 (562)695-1232  
 +1 (800)424-9300

## 2. HAZARDS IDENTIFICATION

**Skin Corrosion/Irritation, Category 1B**  
**Acute Toxicity: Oral, Category 4**  
**Serious Eye Damage/Eye Irritation, Category 1**  
**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.  
 P103 - Read label before use.  
 P262 - Do not get in eyes, on skin, or on clothing.  
 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.  
 P315 - Get immediate 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. P363 - Wash contaminated clothing before reuse.

**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 chemical burns to the respiratory tract.  
**Skin Contact:** Causes skin burns.  
**Eye Contact:** Causes eye burns.  
**Ingestion:** Causes gastrointestinal tract burns.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| CAS #      | Hazardous Components (Chemical Name)       | Concentration |
|------------|--|---------------|
| 7664-38-2  | Phosphoric acid                            | <25.0 %       |
| 68584-22-5 | Benzenesulfonic acid, C10-16-alkyl derivs. | < 5.0 %       |

**4. FIRST AID MEASURES**

**Emergency and First Aid**

**Procedures:**

**In Case of Inhalation:** Remove from exposure and move to fresh air immediately. Get medical aid immediately.

**In Case of Skin Contact:** Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash off with soap and plenty of water. Wash clothing before reuse. Get medical aid immediately.

**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:** For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

**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 spray to keep fire-exposed containers cool.

**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:** Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid breathing vapors, mist or gas. Evacuate personnel to safe areas.

## 7. HANDLING AND STORAGE

- Precautions To Be Taken in Handling:** Use with adequate ventilation. Avoid contact with skin and eyes. Avoid ingestion and inhalation. Avoid inhalation of vapor or mist. Keep container tightly closed. Wash thoroughly after handling.
- 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 |
|------------|--|--------------------------|---|--------------|
| 7664-38-2  | Phosphoric acid                            | PEL: 1 mg/m <sup>3</sup> | TLV: 1 mg/m <sup>3</sup><br>STEL: 3 mg/m <sup>3</sup> | No data.     |
| 68584-22-5 | Benzenesulfonic acid, C10-16-alkyl derivs. | 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 chemical splash goggles.
- 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 [X] Liquid [ ] Solid
- Appearance and Odor:** Light yellow.
- Melting Point:** 0.00 C
- Boiling Point:** NA
- Autoignition Pt:** NA
- Flash Pt:** NA
- Explosive Limits:** LEL: No data. UEL: No data.
- Specific Gravity (Water = 1):** 1.12 - 1.14
- Density:** 9.41

**Vapor Pressure (vs. Air or mm Hg):** No data.  
**Vapor Density (vs. Air = 1):** No data.  
**Evaporation Rate:** No data.  
**Solubility in Water:** No data.  
**pH:** 2 - 3 (1 in 256)  
**Percent Volatile:** No data.

## 10. STABILITY AND REACTIVITY

**Stability:** Unstable [ ] Stable [ X ]  
**Conditions To Avoid - Instability:** Extremes of temperature and direct sunlight. Incompatible materials.  
**Incompatibility - Materials To Avoid:** Strong oxidizing agents, Strong reducing agents, Strong bases, chlorine.  
**Hazardous Decomposition or Byproducts:** Phosphine, oxides of phosphorus, hydrogen gas, nitrogen oxides (NOx), carbon monoxide, carbon dioxide, irritating and toxic fumes and gases.  
**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 data available.  
Teratogenicity: No data available.  
Reproductive Effects: No data available.  
Mutagenicity: No data available.  
Neurotoxicity: No data available.

CAS# 7664-38-2: Phosphoric acid: Acute toxicity, LD50, Oral, Rat, 1530. MG/KG.  
Result: Behavioral: Tremor. Behavioral: Convulsions or effect on seizure threshold.  
Behavioral: Muscle contraction or spasticity.  
Standard Draize Test, Skin, Species: Rabbit, 595.0 MG, 24 H. Result: Behavioral: Coma.  
Vascular: BP lowering not characterized in autonomic section. Lungs, Thorax, or Respiration: Chronic pulmonary edema.  
Standard Draize Test, Eyes, Species: Rabbit, 119.0 MG. Result: Lungs, Thorax, or Respiration: Other changes. Musculoskeletal: Other changes.

**Carcinogenicity/Other Information:** CAS# 7664-38-2: 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# 7664-38-2:  
Not reported. Rainbow Trout (*Oncorhynchus mykiss*), fingerling, 5.190%, 27 W  
**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.

### 14. TRANSPORT INFORMATION

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Phosphoric acid, liquid. mixture.  
**DOT Hazard Class:** 8 CORROSIVE  
**UN/NA Number:** UN1805 **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) |
|------------|--|--------------|-------------|--------------|
| 7664-38-2  | Phosphoric acid                            | No           | Yes 5000 LB | No           |
| 68584-22-5 | Benzenesulfonic acid, C10-16-alkyl derivs. | No           | No          | No           |

**CAS # Hazardous Components (Chemical Name)**

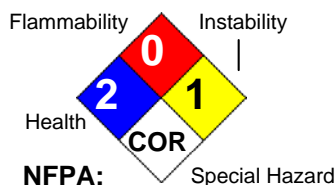
**Other US EPA or State Lists**

|            |  |   |
|------------|--|---|
| 7664-38-2  | Phosphoric acid                            | TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NJ EHS: Yes - 1805; NY Part 597: Yes; PA HSL: Yes - E |
| 68584-22-5 | Benzenesulfonic acid, C10-16-alkyl derivs. | TSCA: Yes - Inventory; 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:** 10/11/2014

**Hazard Rating System:**



**Additional Information About** No data available.

**This Product:**

**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-283-BULK  
**Nombre del Producto:** Acidisolve  
**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

**Corrosión/irritación cutáneas, Categoría 1B**  
**Toxicidad aguda por ingestión, Categoría 4**  
**Lesiones oculares graves/irritación ocular, Categoría 1**  
**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.  
P103 - Leer la etiqueta antes del uso.  
P262 - Evitar todo contacto con los ojos, la piel o la ropa.  
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.  
P315 - Buscar asistencia médica inmediata.  
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. P363 - Lavar/descontaminar la ropa contaminada antes de volverla a usar.

**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:** El producto químico de las causas quema a las vías respiratorias.
- Contacto con la piel:** Provoca quemaduras en la piel.
- Contacto con los ojos:** Provoca quemaduras en los ojos.
- Ingestión:** Quemaduras del aparato gastrointestinal de las causas.

### 3. COMPOSICIÓN/ INFORMACIÓN SOBRE LOS COMPONENTES

| Numeros    | Componentes peligrosos [química nombre]         | Concentración |
|------------|---|---------------|
| 7664-38-2  | El ácido fosfórico                              | <25.0 %       |
| 68584-22-5 | Ácido bencenosulfónico, C10-16-alquil derivados | < 5.0 %       |

### 4. MEDIDAS EN PRIMEROS AUXILIOS

**Procedimientos de Emergencia y Primeros Auxilios:**

- En caso de inhalación:** Quite de la exposición y del movimiento al aire fresco inmediatamente. Consiga la ayuda médica inmediatamente.
- En caso de contacto con la piel:** Limpie la piel con un chorro de agua con el un montón de 15 minutos del agua por lo menos mientras que quita la ropa contaminada y los zapatos. Eliminar lavando con jabón y mucha agua. Lave la ropa antes de la reutilización. Consiga la ayuda médica inmediatamente.
- 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:** Para incendios, aplicar agua desde tan lejos como sea posible. Abundante agua agua pulverizada o spray. Enfriar todos los contenedores afectados con abundante agua.
- 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. Utilice el aerosol de agua para mantener los envases fuego-expuestos frescos.
- 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:** Absorba el derramamiento con el material inerte (e.g. vermiculita, arena o tierra), después colóquelo en envase conveniente. Evitar respirar los vapores, la neblina o el gas. Evacuar el personal a zonas seguras.

## 7. MANIPULACIÓN Y ALMACENAMIENTO

- Precauciones a ser tomadas en la manipulación:** Usar con ventilación adecuada. Evitar contacto con la piel y los ojos. Evite la ingestión y la inhalación. Evitar la inhalación de vapor o neblina. Mantener el recipiente herméticamente cerrado. Lavarse meticulosamente después de la manipulación.
- 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   |
|------------|---|----------------|-------------------------------|----------------|
| 7664-38-2  | El ácido fosfórico                              | PEL: 1 mg/m3   | TLV: 1 mg/m3<br>STEL: 3 mg/m3 | No información |
| 68584-22-5 | Ácido bencenosulfónico, C10-16-alquil derivados | 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:** Anteojos químicos del chapoteo del desgaste.
- 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

|   |                                  |                     |
|---|----------------------------------|---------------------|
| <b>Estado físico:</b>                       | [ ] Gas [ X ] Líquido [ ] Solido |                     |
| <b>Aspecto y Olor:</b>                      | Amarillo claro.                  |                     |
| <b>Punto de Fusión:</b>                     | 0.00 C                           |                     |
| <b>Punto de Ebullición:</b>                 | NA                               |                     |
| <b>Punto de Auto-Ignición:</b>              | NA                               |                     |
| <b>Punto de encendido:</b>                  | NA                               |                     |
| <b>Límites de explosión:</b>                | LEI: No información              | LES: No información |
| <b>Gravedad Específica (Agua = 1):</b>      | 1.12 - 1.14                      |                     |
| <b>Densidad:</b>                            | 9.41                             |                     |
| <b>Presión de Vapor (vs. Aire o mm Hg):</b> | No información                   |                     |
| <b>Densidad de Vapor (vs. Aire = 1):</b>    | No información                   |                     |
| <b>Índice de evaporación:</b>               | No información                   |                     |
| <b>Solubilidad en Agua:</b>                 | No información                   |                     |
| <b>pH:</b>                                  | 2 - 3 (1 in 256)                 |                     |
| <b>Volatilidad:</b>                         | No información                   |                     |

## 10. ESTABILIDAD Y REACTIVIDAD

|   |   |
|---|---|
| <b>Estabilidad:</b>                                       | Inestable [ ] Estable [ X ]   |
| <b>Condiciones para evitar - Inestabilidad:</b>           | Temperaturas extremas y luz directa del sol. Materiales incompatibles.  |
| <b>Incompatibilidad - Materiales para evitar:</b>         | Agentes oxidantes fuertes, Agentes extremadamente reductores, Bases fuertes, Cloro.   |
| <b>Peligrosa descomposición o derivados del producto:</b> | Fosfina, Oxidos de fósforo, gas de hidrógeno, óxidos de nitrógeno (NOx), monóxido de carbono, dióxido de carbono, humos y gases irritantes y tóxicos. |
| <b>Posibilidad de reacciones peligrosas:</b>              | Sucedirá [ ] No sucederá [ X ]  |
| <b>Condiciones para evitar - Reacciones Peligrosas:</b>   | No disponible   |

## 11. INFORMACIÓN TOXICOLÓGICA

|  |   |
|--|---|
| <b>Información Toxicológica:</b>             | Epidemiología: Sin datos disponibles.<br>Teratogenicidad: Ningunos datos disponibles.<br>Efectos reproductivos: Sin datos disponibles.<br>Mutagenicidad: Sin datos disponibles.<br>Neurotoxicidad: Sin datos disponibles. |
|  | CAS# 7664-38-2: El ácido fosfórico: Toxicidad aguda, DL50, Oral, Rata, 1530. MG/KG.<br>Prueba estándar de Draize, Piel, Especie: Conejo, 595.0 MG, 24 H.<br>Prueba estándar de Draize, Ojos, Especie: Conejo, 119.0 MG.   |
| <b>Carcinogenicidad/Otras informaciones:</b> | CAS# 7664-38-2: No enumerado por el apoyo 65 del ACGIH, de la CIRC, del NTP, o del CA.  |
| <b>Carcinogenicidad:</b>                     | NTP No      IARC No      Regulado por OSHA? No  |

## 12. INFORMACIÓN ECOLÓGICA

|  |   |
|--|---|
| <b>Información Ecológica:</b>                  | Ambiental: Ninguna información disponible.<br>Comprobación: Ninguna información disponible.                                       |
| <b>Resultados de la valoración PBT y mPmB:</b> | Otros Estudios: CAS # 7664-38-2:<br>No se ha notificado. Trucha arco iris ( <i>Oncorhynchus mykiss</i> ), alevines, 5.190%, 27 W. |
| <b>Persistencia y degradabilidad:</b>          | Sin datos disponibles.  |
| <b>Potencial de bioacumulación:</b>            | Sin datos disponibles.  |
| <b>Movilidad en el suelo:</b>                  | Sin datos disponibles.  |

## 13. CONSIDERACIONES RELACIONADAS A LA ELIMINACIÓN

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

## 14. INFORMACIÓN RELACIONADA AL TRANSPORTE

### TRANSPORTE POR TIERRA (US DOT):

|                                     |                                      |                            |     |
|-------------------------------------|--------------------------------------|----------------------------|-----|
| <b>DOT Nombre propio del envío:</b> | El ácido fosfórico, líquido. mezcla. |                            |     |
| <b>Clase De Peligro (DOT):</b>      | 8                                    | CORROSIVO                  |     |
| <b>Número UN/NA:</b>                | UN1805                               | <b>Grupo del embalaje:</b> | 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) |
|-------------|---|--------------|------------|--------------|
| 7664-38-2   | El ácido fosfórico                              | No           | Sí 5000 LB | No           |
| 68584-22-5  | Ácido bencenosulfónico, C10-16-alquil derivados | No           | No         | No           |

**Numeros CAS Componentes peligrosos [química nombre]**

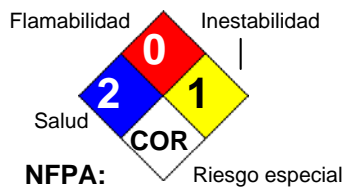
**Otros E.E.U.U. EPA o listas del estado**

|            |   |  |
|------------|---|--|
| 7664-38-2  | El ácido fosfórico                              | TSCA: Sí - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Sí; MI CMR, Part 5: Part 5; NJ EHS: Sí - 1805; NY Part 597: Sí; PA HSL: Sí - E |
| 68584-22-5 | Ácido bencenosulfónico, C10-16-alquil derivados | TSCA: Sí - Inventory; 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. OTRAS INFORMACIONES

**Fecha de la revisión:** 10/11/2014

**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.