

## SAFETY DATA SHEET

### 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Tri-Circ  
**Product Code:** 10409  
**Product Use:** Mineral Deposit Remover  
**Supplier:** Pace International, LLC  
**Address:** 5661 Branch Road, Wapato, WA 98951  
**Phone Number:** 800-936-6750 (Monday-Friday, 7:00 a.m. – 4:00 p.m.)  
**Medical Emergency Phone Number:** 888-271-4649 (PROPHARMA/PROSAR)  
**Transportation Emergency Phone Number:** 800-424-9300 (CHEMTREC)

### 2. HAZARDS IDENTIFICATION

GHS Classification in accordance with 29 CFR 1910 (2012 OSHA Hazard Communication Standard)  
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification:**

Physical, CORROSIVE Liquid Category 1  
Health Hazards,  
Skin irritation, Category 1  
Eye irritation, Category 1  
Environmental Hazards, Not classified.

**Hazard Symbols:**



**Signal Word:**

DANGER

**Hazard Statements:**

H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.

**Other Hazards:**

**Hazard(s) not otherwise classified (HNOC):**

**Supplemental information**

**Precautionary Statements:**

**Prevention Statements:**

P234 Keep only in original container  
P260 Do not breathe mists, vapors or spray.  
P264 Wash hands thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective clothing, safety goggles or face shield and chemical resistant gloves.

**Response Statements:**

P301/330/331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303/361/353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with soap and water, shower.  
P363 Wash contaminated clothing before reuse.  
P304/340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P310 Immediately call a POISON CENTER or doctor for medical advice.  
P321 Specific treatments see Section 4 First Aid Measures.  
P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER or doctor for medical advice.

**Storage Statements:**

P406 Store in corrosive resistant container with a resistant inner liner.  
P405 Store locked up.

**Disposal Statements:**

P501 Dispose of contents/container should be made in accordance with applicable regional, national and local laws and regulations.  
None known.  
None known.

None.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS #</u>	<u>Concentration (w/w %)</u>
Phosphoric Acid	7664-38-2	5 - 10 *
Sulfuric Acid	7664-93-9	5 - 10 *
Citric Acid	77-92-9	3 - 7 *
Hydrochloric Acid	7647-01-0	1 - 5 *
Alkylated naphthalene sulfonate, sodium salt	Trade Secret	1 - 5 *

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**\*Composition comments**

US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.



#### 4. FIRST AID MEASURES

<b>General Advice:</b>	Have the product container, label or Safety Data Sheet with you when calling a poison control center or physician or going for treatment. You may also contact PROPHARMA (PROSAR) 1-888-271-4649 for emergency medical treatment information.
<b>If on Skin (or hair):</b>	Take off immediately all contaminated clothing. Rinse skin with soap and water, shower. Wash contaminated clothing before reuse.
<b>If in Eyes:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor for medical advice.
<b>If Swallowed:</b>	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor for medical advice. Do not give anything by mouth to an unconscious person.
<b>If Inhaled:</b>	Move person to fresh air. Immediately call a POISON CENTER or doctor for medical advice.
<b>Most important Symptoms / effects, acute and Delayed:</b>	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
<b>Indication of any immediate medical attention and special treatment needed:</b>	Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

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#### 5. FIRE FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media:</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical:</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters:</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire-fighting equipment/instructions:</b>	Move containers from fire area if you can do so without risk.
<b>Specific methods:</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>Hazardous combustion products:</b>	May include and are not limited to: Oxides of carbon. Oxides of phosphorus. Oxides of sulfur.

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#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment and emergency procedures:</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist, vapor, or spray. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up:</b>	Prevent entry into waterways, sewer, basements or confined areas.  Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.  Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
<b>Environmental precautions:</b>	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground. DO NOT discharge effluent containing this product into sewer systems, lakes, streams, ponds, estuaries, oceans or other waters.



## 7. HANDLING & STORAGE

**Precautions for safe handling:**

Do not breathe mist, vapor, or spray. Do not get in eyes, on skin, or on clothing. Provide adequate ventilation. Avoid prolonged exposure. Wear appropriate personal protective equipment (see Section 8 of the SDS). Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. When handling this material do not eat, drink or smoke.

**Conditions for safe storage, including any incompatibilities:**

Do not store below 45°F (7°C). Keep in original container. Keep container upright to prevent leakage and to avoid release into environment. Product may be corrosive to metals: store in a corrosion resistant container with a resistant inner liner. Absorb any spillage to prevent material damage. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational Exposure Limits:**

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value
Hydrochloric acid (CAS 7647-01-0)	Ceiling	7mg/m <sup>3</sup> 5 ppm
Phosphoric acid (CAS 7664-38-2)	PEL	1mg/ m <sup>3</sup>
Sulfuric acid (CAS 7664-93-9)	PEL	1mg/ m <sup>3</sup>

**US. ACGIH Threshold Limit Values**

Components	Type	Value
Hydrochloric acid (CAS 7647-01-0)	Ceiling	2 ppm
Phosphoric acid (CAS 7664-38-2)	STEL	3 mg/ m <sup>3</sup>
	TWA	1 mg/ m <sup>3</sup>
Sulfuric acid (CAS 7664-93-9)	TWA	0.2 mg/ m <sup>3</sup>
		Thoracic fraction.

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value
Hydrochloric acid (CAS 7647-01-0)	Ceiling	7 mg/ m <sup>3</sup> 5 ppm
Phosphoric acid (CAS 7664-38-2)	STEL	3 mg/ m <sup>3</sup>
	TWA	1 mg/ m <sup>3</sup>
Sulfuric acid (CAS 7664-93-9)	TWA	1 mg/ m <sup>3</sup>

**Biological limit values:**

No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls:**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear chemical goggles, safety glasses or face shield. Eye fountain and washing facilities should be available.

**Skin protection**

**Hand protection**

Wear impervious gloves. Confirm with reputable supplier first.

**Other**

Wear appropriate chemical resistant clothing. As required by employer code.

**Respiratory protection**

Use of protective clothing (long sleeve shirt and pants). Not normally required if good ventilation is maintained. Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134).

**Thermal hazards**

Not applicable.

**General hygiene considerations**

Use good industrial hygiene practices in handling this material. When using do not eat, drink, or smoke. Wash thoroughly after handling. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid	<b>Upper/Lower flammability limits:</b>	Not available
<b>Appearance:</b>	Greenish Gray	<b>Vapor pressure:</b>	Not available
<b>Odor:</b>	Acidic	<b>Vapor density: (air =1)</b>	Not available
<b>Odor threshold:</b>	Not available	<b>Specific Gravity: (H<sub>2</sub>O = 1)</b>	1.14



<b>pH:</b>	2.2 (1%)	<b>Solubility:</b>	Miscible in water
<b>Melting/Freezing point:</b>	Not available	<b>Partition coefficient (n-octanol-water):</b>	Not available
<b>Pour Point:</b>	Not available	<b>Auto-ignition temperature:</b>	Not available
<b>Initial boiling point and boiling range:</b>	Not available	<b>Decomposition temperature:</b>	Not available
<b>Flash point:</b>	Not available	<b>Viscosity:</b>	Not available
<b>Evaporation rate:</b>	Not available	<b>Explosive properties:</b>	Not explosive
<b>Flammability (solid, gas):</b>	Not applicable	<b>Oxidizing properties:</b>	Not oxidizing

## 10. STABILITY & REACTIVITY

<b>Reactivity hazards:</b>	May be corrosive to metals. This product may react with strong oxidizing agents.
<b>Possibility of hazardous reactions:</b>	No dangerous reaction known under conditions of normal use.
<b>Chemical stability:</b>	Material is stable under normal conditions.
<b>Conditions to avoid:</b>	Do not mix with other chemicals.
<b>Incompatible materials:</b>	Strong oxidizing agents. Metals.
<b>Hazardous decomposition products:</b>	May include and are not limited to: Oxides of carbon. Oxides of phosphorus. Oxides of sulfur.

## 11. TOXICOLOGICAL INFORMATION

<b>Routes of exposure</b>	Eye, Skin contact, Inhalation, Ingestion.	
<b>Information on likely routes of exposure</b>		
<b>Ingestion</b>	Causes digestive tract burns. May cause stomach distress, nausea or vomiting.	
<b>Inhalation</b>	May cause irritation to the respiratory system. Prolonged inhalation may be harmful.	
<b>Skin contact</b>	Causes severe skin burns.	
<b>Eye contact</b>	Causes serious eye damage.	
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.	
<b>Information on toxicological effects</b>		
<b>Acute toxicity</b>		
<b>Components</b>	<b>Species</b>	<b>Test results</b>
Citric Acid (CAS 77-92-9)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	> 2000 mg/kg, 24 Hours, ECHA
<b>Inhalation</b>		
LC50	Not available	
<b>Oral</b>		
LD50	Mouse	5400 mg/kg, ECHA 5040 mg/kg, HSDB
	Rat	11700 mg/kg, ECHA 6730 mg/kg, HSDB
<b>Components</b>	<b>Species</b>	<b>Test results</b>
Hydrochloric acid (CAS 7647-01-0)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Mouse	1449 mg/kg, HSDB
<b>Inhalation</b>		
LC50	Mouse	13745 ppm, 5 Minutes, ECHA 2644 ppm, 5 Minutes, ECHA 1108 ppm, 1 Hours, RTECS 16.5 mg/L, 5 Minutes, ECHA 3.2 mg/L, 5 Minutes, ECHA 40989 ppm, 5 Minutes, ECHA 4701 ppm, 5 Minutes, ECHA 3124 ppm, 1 Hours, HSDB 2810 ppm, 1 Hours 1405 ppm, 4 Hours 45.6 mg/L, 5 Minutes, ECHA 8.3 mg/L, 5 Minutes, ECHA
	Rat	



<i>Oral</i> LD50	Rabbit Rat	900 mg/kg, HSDB 238 - 277 mg/kg, HSDB
<b>Components</b> Phosphoric acid (CAS 7664-38-2)	<b>Species</b>	<b>Test results</b>
<b>Acute</b>		
<i>Dermal</i> LD50	Rabbit	> 2000 mg/kg, ECHA 2740 mg/kg, RTECS
<i>Inhalation</i> LC50	Guinea pig, Mouse, Rabbit, Rat	5337 mg/m3, 1 Hours, ECHA 3846 mg/m3, 1 Hours, ECHA 1689 mg/m3, 1 Hours, ECHA 1217 mg/m3, 1 Hours, ECHA 856 mg/m3, 1 Hours, ECHA 271 mg/m3, 1 Hours, ECHA 193 mg/m3, 1 Hours, ECHA 61 mg/m3, 1 Hours, ECHA
<i>Oral</i> LD50	Rat	1530 mg/kg, RTECS 1.7 ml/100g, ECHA
<b>Components</b> Sulfuric acid (CAS 7664-93-9)	<b>Species</b>	<b>Test results</b>
<b>Acute</b>		
<i>Dermal</i> LD50	Not available	
<i>Inhalation</i> LC100 LC50	Guinea pig, Mouse, Rabbit, Rat Guinea Pig	0.1 mg/L, 2.75 Hours, ECHA > 0.1 mg/L, 8 Hours, ECHA 0.1 mg/L, 8 Hours, ECHA 0 mg/L, 8 Hours, ECHA/HSDB 0 mg/L, 8 Hours, ECHA/HSDB
	Guinea pig, Mouse, Rabbit, Rat Mouse	1.6 mg/L, 2.75 Hours, ECHA 0.9 mg/L, 1 Hours, ECHA 0.6 mg/L, 1 Hours, ECHA
	Mouse, Rat	0.5 mg/L, 2 Hours, ECHA 0.3 mg/L, 2 Hours, ECHA
	Rat	375 mg/m3, 1 Hours, ECHA 347 mg/L, 1 Hours
	Various	1610 mg/m3, ECHA 1470 mg/m3, ECHA 420 ppm, ECHA 347 ppm, ECHA 109 mg/m3, ECHA 50 mg/m3, ECHA 30.3 mg/m3, ECHA 18 mg/m3, ECHA
<i>Oral</i> LD50	Rat	2140 mg/kg, CCOHS
<b>Skin corrosion/irritation:</b>	Causes severe skin burns and eye damage.	
<b>Serious eye damage/eye Irritation:</b>	Causes serious eye damage.	
<b>Respiratory or Skin sensitization:</b>	Not a respiratory sensitizer. This product is not expected to cause skin sensitization.	
<b>Germ cell mutagenicity:</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic	
<b>Carcinogenicity:</b>	See below. There is sufficient evidence that occupational exposure to strong inorganic acid mists containing sulfuric acid is carcinogenic.	
<b>ACGIH Carcinogens</b>	Ethylene oxide (CAS 75-21-8) Sulfuric acid (CAS 7664-93-9)	A2 Suspected human carcinogen. A2 Suspected human carcinogen.
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>	Ethylene oxide (CAS 75-21-8)	Volume 97, Volume 100F 1 Carcinogenic to humans.
	Hydrochloric acid (CAS 7647-01-0)	Volume 54 - 3 Not classifiable as to carcinogenicity to humans.
	Sulfuric acid (CAS 7664-93-9)	Volume 54, Volume 100F 1 Carcinogenic



to humans.

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

Ethylene oxide (CAS 75-21-8)  
Sulfuric acid (CAS 7664-93-9)

**US NTP Report on Carcinogens: Known carcinogen**

Ethylene oxide (CAS 75-21-8) Known to Be Human Carcinogen.  
Sulfuric acid (CAS 7664-93-9) Known to Be Human Carcinogen.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Ethylene oxide (CAS 75-21-8) Cancer

**Reproductive toxicity:** This product is not expected to cause reproductive or developmental effects.  
**Teratogenicity:** Not available.  
**Specific target organ toxicity - single exposure:** Not classified.  
**Specific target organ toxicity - repeated exposure:** Not classified.  
**Aspiration hazard:** Not an aspiration hazard.  
**Chronic effects:** Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity** See below

**Ecotoxicological data**

**Components**

Citric Acid (CAS 77-92-9)

*Acute*

Crustacea

EC50

Daphnia magna

120 mg/L, 72 hr.

**Aquatic**

*Acute*

Fish

LC50

Bluegill (Lepomis macrochirus)

1516 mg/L, 96 hr.

Hydrochloric acid (CAS 7647-01-0)

**Aquatic**

Fish

LC50

Western mosquitofish (Gambusia affinis)

282 mg/L, 96 hours

Phosphoric acid (CAS 7664-38-2)

**Aquatic**

*Acute*

Crustacea

LC50

Water flea (Daphnia magna)

4.6 mg/L, 12 hr.

Fish

LC50

Mosquitofish (Gambusia affinis affinis)

3 - 3.5 mg/L, 96 hr.

Sulfuric acid (CAS 7664-93-9)

**Aquatic**

Fish

LC50

Western mosquitofish (Gambusia affinis)

42 mg/L, 96 hours

**Persistence/ degradability:** No data is available on the degradability of this product.

**Bioaccumulative potential:**

**Mobility in soil:**

No data available.

**Mobility in general:**

Not available.

**Other adverse effects:**

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

**13. DISPOSAL CONSIDERATIONS**

**Disposal methods:**

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations:**

Dispose of in accordance with local regulations.

**Hazardous waste code**

D002: Waste Corrosive material [pH <=2 or >=12.5, or corrosive to steel]

**Waste from residues / unused products:**

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated**

Since emptied containers may retain product residue, follow label warnings even after

**Packaging:**

container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.



**14. TRANSPORT INFORMATION**

**Transport of Dangerous Goods (TDG) Proof of Classification** Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.

**U.S. Department of Transportation (DOT)**

**UN number:** UN3264  
**Proper shipping name:** Corrosive Liquid, Acidic, Inorganic, n.o.s. (Sulfuric Acid)  
**Hazard class(es):** 8  
**Packing group:** II  
**Special provisions** 386, B2, IB2, T11, TP2, TP27  
**Packaging exceptions** 154  
**Packaging non-bulk** 203  
**Packaging bulk** 241

**15. REGULATORY INFORMATION**

**US FEDERAL REGULATIONS** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Ethylene oxide (CAS 75-21-8) Listed  
 Hydrochloric acid (CAS 7647-01-0) Listed  
 Phosphoric acid (CAS 7664-38-2) Listed  
 Sulfuric acid (CAS 7664-93-9) Listed

**US EPCRA Section 304 Extremely Haz. Subs. & CERCLA Haz. Subs.: Section 304 EHS reportable quantity**

Ethylene oxide (CAS 75-21-8) 10 lbs.  
 Hydrochloric acid (CAS 7647-01-0) 5000 lbs.  
 Sulfuric acid (CAS 7664-93-9) 1000 lbs.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Ethylene oxide (CAS 75-21-8) Cancer  
 Reproductive toxicity  
 Mutagenicity  
 Central nervous system  
 Skin sensitization  
 Eye irritation  
 Skin irritation  
 respiratory tract irritation  
 Acute toxicity  
 Flammability  
 Immediate Hazard - Yes  
 Delayed Hazard - No  
 Fire Hazard - No  
 Pressure Hazard - No  
 Reactivity Hazard - No

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

Hazard Categories

**SARA 302 Extremely hazardous substance** No  
**SARA 311/312 Hazardous chemical** No  
**SARA 313 (TRI reporting)** Not regulated.

Chemical name	CAS number	% by wt.
Hydrochloric acid	7647-01-0	1 – 5*
Sulfuric acid	7664-93-9	5 – 10*

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Ethylene oxide (CAS 75-21-8)  
 Hydrochloric acid (CAS 7647-01-0)

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Ethylene oxide (CAS 75-21-8)  
 Hydrochloric acid (CAS 7647-01-0)  
 Sulfuric acid (CAS 7664-93-9)



**US STATE  
REGULATIONS**

**US - California Hazardous Substances (Director's): Listed substance**

Ethylene oxide (CAS 75-21-8)	Listed
Hydrochloric acid (CAS 7647-01-0)	Listed
Phosphoric acid (CAS 7664-38-2)	Listed
Sulfuric acid (CAS 7664-93-9)	Listed

**US - Illinois Chemical Safety Act: Listed substance**

Ethylene oxide (CAS 75-21-8)	Listed
Hydrochloric acid (CAS 7647-01-0)	Listed
Phosphoric acid (CAS 7664-38-2)	Listed
Sulfuric acid (CAS 7664-93-9)	Listed

**US - Louisiana Spill Reporting: Listed substance**

Ethylene oxide (CAS 75-21-8)	Listed
Hydrochloric acid (CAS 7647-01-0)	Listed
Phosphoric acid (CAS 7664-38-2)	Listed
Sulfuric acid (CAS 7664-93-9)	Listed

**US - Minnesota Haz Subs: Listed substance**

Ethylene oxide (CAS 75-21-8)	Listed
Hydrochloric acid (CAS 7647-01-0)	Listed
Phosphoric acid (CAS 7664-38-2)	Listed
Sulfuric acid (CAS 7664-93-9)	Listed

**US - New Jersey RTK - Substances: Listed substance**

Ethylene oxide (CAS 75-21-8)	
Hydrochloric acid (CAS 7647-01-0)	
Phosphoric acid (CAS 7664-38-2)	
Sulfuric acid (CAS 7664-93-9)	

**US - North Carolina Toxic Air Pollutants: Listed substance**

Ethylene oxide (CAS 75-21-8)	
Hydrochloric acid (CAS 7647-01-0)	
Sulfuric acid (CAS 7664-93-9)	

**US - Pennsylvania RTK - Hazardous Substances: Special hazard**

Ethylene oxide (CAS 75-21-8)	
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**US - Texas Effects Screening Levels: Listed substance**

Citric Acid (CAS 77-92-9)	Listed
Ethylene oxide (CAS 75-21-8)	Listed
Hydrochloric acid (CAS 7647-01-0)	Listed
Phosphoric acid (CAS 7664-38-2)	Listed
Sulfuric acid (CAS 7664-93-9)	Listed

**US. Massachusetts RTK - Substance List**

Ethylene oxide (CAS 75-21-8)	
Hydrochloric acid (CAS 7647-01-0)	
Phosphoric acid (CAS 7664-38-2)	
Sulfuric acid (CAS 7664-93-9)	

**US. New Jersey Worker and Community Right-to-Know Act**

Ethylene oxide (CAS 75-21-8)	
Hydrochloric acid (CAS 7647-01-0)	
Sulfuric acid (CAS 7664-93-9)	

**US. Pennsylvania Worker and Community Right-to-Know Law**

Ethylene oxide (CAS 75-21-8)	
Hydrochloric acid (CAS 7647-01-0)	
Phosphoric acid (CAS 7664-38-2)	
Sulfuric acid (CAS 7664-93-9)	

**US. Rhode Island RTK**

Ethylene oxide (CAS 75-21-8)	
Hydrochloric acid (CAS 7647-01-0)	
Phosphoric acid (CAS 7664-38-2)	
Sulfuric acid (CAS 7664-93-9)	

**US. California Proposition 65**



WARNING: This product can expose you to chemicals including Ethylene oxide and Sulfuric acid, which is known to the State of California to cause cancer, and Ethylene oxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

Ethylene oxide (CAS 75-21-8)	Listed: July 1, 1987
Sulfuric acid (CAS 7664-93-9)	Listed: March 14, 2003





- US - California Proposition 65 - CRT: Listed date/Developmental toxin**  
Ethylene oxide (CAS 75-21-8) Listed: August 7, 2009
- US - California Proposition 65 - CRT: Listed date/Female reproductive toxin**  
Ethylene oxide (CAS 75-21-8) Listed: February 27, 1987
- US - California Proposition 65 - CRT: Listed date/Male reproductive toxin**  
Ethylene oxide (CAS 75-21-8) Listed: August 7, 2009

**Inventory status**

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**16. OTHER INFORMATION**

**HMIS Ratings:** Health – 3 Health – 3 Flammability – 0 Flammability – 0 Reactivity – 0 Reactivity – 0

**NFPA Ratings:**



The information provided in this Safety Data Sheet (SDS) is provided in good faith and believed to be accurate at the time of preparation of the SDS. However, Pace International, LLC and its subsidiaries or affiliates extend no warranties, make no representations, and assume no responsibility as to the accuracy, suitability, or completeness of such information. Additionally, neither Pace International, LLC nor any of its subsidiaries or affiliates represents or guarantees that this information or product may be used without infringing the intellectual property rights of others. It is the users' own responsibility to determine the suitability of this information for their own particular use of this product. If necessary, contact Pace International, LLC to confirm that you have the most current product label and SDS.

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