

Safety Data Sheet


Issue date: 8/1/2018

Section 1: Product and Company Information

Product Identifier: **Choice Delimer**
Product Code/SKU: 360150-4
Recommended Use: Lime scale remover
Restrictions on Use: Use only for purpose found on label.
Product Dilution Information: Use as directed per label instructions

Section 2: Hazard Identification

GHS Classification: Corrosive to metals - category 1
Skin irritation/corrosion
Eye irritation/eye damage
May cause respiratory irritation

GHS Labeling Element
Signal Word: Danger
Symbol: 

Hazard Statement: Corrosive to metals
Causes skin and eye damage
May cause respiratory irritation

Precautionary Statements:
Prevention: Wear protective clothing, gloves, and eye and face protection.
Response:
If swallowed: Rinse mouth, do not induce vomiting.
If on skin: Wash with water, remove contaminated clothing.
Inhalation: Remove person to fresh air - administer artificial respiration if not breathing.
If in eye: Flush continuously with water - remove contacts and continue flushing with water.
Treatment: Seek medical assistance if symptoms persist.

Storage: Keep product stored in original container, in an upright position, with container tightly closed.

Disposal: Dispose of contents/container according to local/regional regulations.

Other Hazards: None known

Section 3: Composition/Information on Ingredients

Substance/Mixture: Mixture

Chemical name	Product Identifier	%
Phosphoric acid	CAS 7664-38-2	15-40%

There are no additional ingredients present which, within the current knowledge of the manufacturer and in the concentrations applicable, are classified as hazardous to health or to the environment and hence

require reporting in this section. Concentration percentages are given as a range as a claim for a trade secret is being made.

Section 4: First Aid Measures

First Aid Measures:

General:	Never give anything by mouth to an unconscious person. If you feel unwell, then seek medical assistance.
If swallowed:	Rinse mouth, do not induce vomiting.
If on skin:	Wash with water, remove contaminated clothing.
Inhalation:	Remove person to fresh air - administer artificial respiration if not breathing.
If in eye:	Flush continuously with water - remove contacts and continue flushing with water.
Treatment:	Seek medical assistance if symptoms persist.
Important Symptoms and Effects, both Acute and Delayed	
Symptoms/Injuries:	Causes severe skin burns and eye damage. Effects of exposure may be delayed.
If swallowed:	Ingestion is likely to be harmful and have adverse health effects.
If on skin:	Causes skin burns.
Inhalation:	Symptoms may cause irritation to the respiratory tract.
If in eye:	Causes eye damage.
Recommendation:	Seek medical assistance if symptoms persist or concerns are present.
First Aid Providers	All first aid providers should receive proper training before performing any first aid act that would involve personal risk. Wash contaminated clothing with water thoroughly before removal or wear gloves.

Section 5: Firefighting Measures

Suitable Fire Extinguishing

Media:	No special media necessary. Use extinguishing media appropriate for surrounding fire.
Special Hazards:	Product is non flammable and is not explosive. Product is corrosive to metals as sold.
Advice for Firefighters:	Exercise caution when fighting any chemical fire. Use a water spray to cool containers. Do not enter fire area without proper protective equipment, including respiratory protection.

Section 6: Accidental Release Measures

Personal Precautions:	Initiate company's spill procedures. Do not walk through or touch spilled product. Do not get on skin, in eyes, or on clothing. Put on appropriate personal protection equipment.
Environmental Precautions:	Avoid runoff into public waterways, sewers, or onto soil.
Methods for Clean Up:	Follow company's spill procedures. Put on appropriate protective clothing. Neutralize/absorb spilled product with inert material. Dispose of inert material by placing in suitable container. Dispose of waste safely. Rinse with water for a final clean up.

Section 7: Handling and Storage

Precautions for Safe

Handling:	Do not get on skin, in eyes, or on clothing. Do not breathe vapor or mist. Do not handle until all safety procedures have been read and understood. Wash hands and other exposed areas with soap and water after handling.
Conditions for Safe Storage:	Keep product in original container, in an upright position, with container tightly closed. Keep out of reach of children.

Section 8: Exposure Controls/Personal Protection

Control parameters:

Ingredient Name	Exposure Limits	
Phosphoric acid	ACGIH TWA (mg/m ³)	1 mg/m ³
	ACGIH STEL (mg/m ³)	3 mg/m ³
	NIOSH REL (TWA) (mg/m ³)	1 mg/m ³
	NIOSH REL (STEL) (mg/m ³)	3 mg/m ³
	US IDLH (mg/m ³)	1000 mg/m ³
	OSHA PEL (TWA) (mg/m ³)	1 mg/m ³

Engineering Controls:	Use adequate ventilation. Keep vapor/fumes below statutory limits. Provide availability to water to flush skin or eyes in case of
-----------------------	---

exposure.

Personal Protection:

- Hand protection: Wear chemical resistant gloves
- Eye protection: Use chemical splash goggles. For severe exposure, wear face shield.
- Skin protection: Wear suitable protective clothing.
- Respiratory protection: Not necessary under normal operating and intended use of this product.
- General: Wash hands, face, and arms after handling chemical products and before eating, drinking, or using restroom. Wash contaminated clothing before wearing again.

Section 9: Physical and Chemical Properties

- Physical state: Liquid
- Color: Green
- Odor: Chemical
- pH: <6
- Evaporation rate: No data available
- Melting point: No data available
- Freezing point: No data available
- Boiling point: No data available
- Flash point: No data available
- Explosion limits: No data available
- Flammability (solid/gas): No data available
- Vapor pressure: No data available
- Vapor density: No data available
- Relative density: >1 (water=1)
- Solubility: No data available
- Decomposition temperature: No data available

Section 10: Stability and Reactivity

- Reactivity: Corrosive to metals.
- Chemical stability: Stable.
- Hazardous Reactions: Hazardous polymerization will not occur.
- Conditions to Avoid: Direct sunlight. Extreme temperatures. Contact with metal.
- Incompatible Materials: Strong acids. Strong bases. Strong oxidizers. Metals.
- Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not occur.

Section 11: Toxicological Information

Routes of Exposure: Ingestion. Skin contact. Inhalation. Eye contact.

- Symptoms: Ingestion: Adverse effects: stomach pains
- Skin Contact: Adverse effects: irritation, redness, blisters
- Inhalation: Adverse effects: cough, respiratory irritation
- Eye Contact: Adverse effects: redness, watering, irritation
- Acute Toxicity Ingestion: May cause burns to mouth, throat, stomach
- Skin Contact: May cause skin burns
- Inhalation: May cause respiratory irritation
- Eye Contact: May cause serious eye damage.

Toxicity Data:	Phosphoric acid (CAS 7664-38-2)	LD50 oral rat	1350 mg/kg
		LD50 dermal rabbit	2730 m/kg
		LC50 inhalation rat	>850mg/m ³

- Carcinogenicity: No known effects or critical hazards
- Reproductivity: No known effects or critical hazards

Section 12: Ecological Information

Toxicity:	Exposure	Species
Phosphoric acid (CAS 7664-38-2)	LC50 Fish 1 3.5mg/l 96 h	Gambusia affinis
Phosphoric acid (CAS 7664-38-2)	EC50 Daphnia 4.6 mg/l 12 h	Daphnia magna

- Persistence and degradability: Not established
- Bioaccumulative potential: Not established
- Mobility in Soil: Not established
- Other adverse effects: None noted

Section 13: Disposal Considerations

Disposal methods: Dispose of waste in accordance with local, regional, and national regulations

Section 14: Transport Information

In accordance with: ICAO/IATA/DOT/TDG

DOT Classification: UN 3264
DOT Shipping name: Corrosive Liquid, Acidic, Inorganic, N.O.S. (Phosphoric acid)
Class: 8
Packing Group: III
Bulk Transport: See shipping documents for specific transportation information
Marine Pollutant: No

Section 15: Regulatory Information

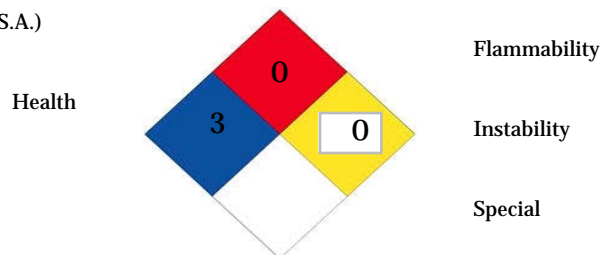
US Federal Regulations: All components are listed or exempted
TSCA 8(b) Inventory Acute health hazard
SARA 304 Acute health hazard
SARA 311/312 Acute health hazard
SARA 302 Acute health hazard
SARA 313

Section 16: Other Information

Hazardous Material Information System:

Health	3
Flammability	0
Physical Hazards	0

National Fire Protection Association (U.S.A.)



The information provided in this SDS Safety Data Sheet is correct to the best of knowledge, information, and belief at this date of publication. The information given is designed only as a guide for safe usage, handling, transporting, storage, disposal and is not to be considered a warranty or quality specification. No warranty, either express or implied, is made to the completeness or continuing accuracy of this information.