

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** GLISTEN - Lime Remover  
**Product Code:** 180077  
**Recommended Use:** Lime Descaler

**Supplied By:**

**Company Information:** **Fulton Distributing**  
 53-603 Polk Street  
 Coachella, California 9236

**Phone:** General Assistance 1-760-262-6200  
**Emergency Telephone Number:**  
**CHEMTEL: (800) 255-3924**

### 2. HAZARDS IDENTIFICATION

**GHS Classification:**

**OSHA/HCS Status:** While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910, 1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

**GHS Label Element:**

**Signal Word:**

**DANGER**



**Eye Damage/Irritation:** Category 1

**Skin Corrosion/Irritation:** Category 1A

**Hazardous Statements:**

**Causes severe skin burns and eye damage. May be harmful if swallowed.**

**Precautionary Statements:**

**General:**

Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

**Prevention:**

Wash skin thoroughly after handling. Wear protective gloves, eye and face protection.

**Response:**

**Eye Contact:**

Immediately flush thoroughly with plenty of cool running water. Remove contact lenses, continue rinsing. Continue flushing for at least 15 minutes while holding eyelids apart. If irritation persists, seek medical attention.

**Skin Contact:**

Immediately flush thoroughly with plenty of cool running water for at least 15 minutes. Immediately remove contaminated clothing and shoes. Wash prior to reuse.

**If Swallowed:**

Do not induce vomiting. Rinse mouth. Immediately drink 1 to 2 glasses of milk or water. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

**If Inhaled:**

If discomfort is experienced from exposure to spray mist, the person should employ respiratory protection or leave the contaminated area until proper ventilation is restored. Breathe fresh air.

**Storage:**

Store in a tightly sealed container. Do not store near oxidizers, alkalis, acids and bleach. Do not mix with other chemicals. Store in accordance to local regulations. **KEEP OUT OF REACH OF CHILDREN.**

**Disposal Method:**

Dispose of in accordance with all Local, State and Federal regulations.

**Empty Container:**

Nonrefillable container. Do not reuse or refill container. Before discarding container, rinse thoroughly with water.

**Other Hazards:**

None Known

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	CAS #	Weight %
Diethylene Glycol Monobutyl Ether	112-34-5	N/A
Phosphoric Acid	7664-38-2	N/A

### 4. FIRST AID MEASURES

**Eye Contact:**

Immediately flush thoroughly with plenty of cool running water. Remove contact lenses, continue rinsing. Continue flushing for at least 15 minutes while holding eyelids apart. Oils or ointments should not be used. If irritation persists, seek medical attention.

**Skin Contact:** Immediately flush thoroughly with plenty of cool running water for at least 15 minutes. Immediately remove contaminated clothing and shoes. Wash prior to reuse. DO NOT attempt to neutralize with chemical agents. Seek medical attention immediately.

**Ingestion:** Do NOT induce vomiting. Rinse mouth. Immediately drink 1 to 2 glasses of milk or water. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

**Inhalation:** Remove from contaminated area immediately. If discomfort is experienced from exposure to spray mist, the person should employ respiratory protection. If breathing has ceased, clear the victim's airway and start mouth-to-mouth artificial respiration. If the victim is breathing, oxygen may be administered preferably with a physician's advice. Seek medical attention.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Use extinguishing agent suitable for the surrounding environment.

**Unsuitable Extinguishing Media:** None known

**Specific Hazards:** Not flammable or combustible

**Hazardous Combustion Products:** None known

**Special Protective Equipment For Firefighters:** Avoid breathing of vapors. Use water spray to disperse vapors. Use Self Contained Breathing Apparatus (SCBA) or NIOSH approved respirator and protective clothing.

**Special Extinguishing:** Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of and/or explosion do not breathe fumes.

**Other Considerations:** If material is released, area will become slippery.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

**Methods and Materials for Containment and Clean-Up:** To contain spilled material, dike area involved. Remove source of ignition and provide ventilation. To absorb product, use an inert dry material such as sand or a commercial absorbent. Using a shovel, place into leak proof containers. Use a water rinse for final clean-up.

**Environmental Precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, sewers and storm drains.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin, eyes and clothing. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Product residue may remain on/in empty containers. **FOR COMMERCIAL AND INDUSTRIAL USE ONLY.**

**Storage:** Store in a clean container tightly closed and protected from direct sunlight in an upright position. Keep in a dry, cool and well-ventilated place. Keep from freezing. Store away from excessive heat. Do not mix with other chemicals. Do not store near oxidizers, alkalies, acids and bleach.  
**KEEP OUT OF REACH OF CHILDREN.**

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous Components	CAS Number	ACGIH TLV	OSHA PEL	NIOSH
Diethylene Glycol Monobutyl Ether	112-34-5	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> (Vacated) TWA: 25 ppm (Vacated) TWA: 120 mg/m <sup>3</sup>	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m <sup>3</sup>
Phosphoric Acid	7664-38-2	TWA: 2 ppm	TWA: 2 ppm TWA: 1 mg/m <sup>3</sup> (Vacated) TWA: 2 ppm (Vacated) TWA: 1 mg/m <sup>3</sup>	IDLH: 25 ppm TWA: 1 ppm TWA: 1 mg/m <sup>3</sup>

**OSHA Table Comments:**

NL = Not Listed

**Engineering Controls:**

Good general ventilation should be sufficient to control airborne contaminants.

**Personal Protective Equipment**

**Eyes and Face Protection:**

Safety Splash Monogoggles and Face Shield.

**Skin and Body Protection:**

Solvent resistant gloves, boots and clothing.

**Respiratory Protection:**

In case of insufficient ventilation wear suitable respiratory equipment. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**Hygiene Measures:**

Handle in accordance with good industrial hygiene and safety practice. Wash contaminated clothing and area prior to reuse.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Lower Explosion Limit:	Not determined
Color:	Clear	Specific Gravity:	1.04
Odor:	Chemical	Vapor Pressure:	Not determined
Odor Threshold:	Not determined	Vapor Density: (Air = 1)	>1 (Heavier than air)
pH:	1	Water Solubility:	100%
Flash Point:	>212° F	Partition Coefficient: N-Octanol/water	Not determined
Melting Point/Range:	Not determined	Autoignition Temperature:	Not determined
Boiling Point/Range:	Not determined	Viscosity:	Not determined
Evaporation Rate: (Water = 1)	>1 (Slower than water)	Molecular Weight:	Not determined
Flammability: (Solid, Gas)	Not determined	VOC Content:	Not determined
Upper Explosion Limit:	Not determined		

### 10. STABILITY AND REACTIVITY

<b>Stability:</b>	The product is stable
<b>Polymerization:</b>	Under normal conditions of storage and use, hazardous polymerization does not occur.
<b>Conditions To Avoid:</b>	Contact with Aluminum and soft metals. Pour ventilation. Keep from freezing.
<b>Materials To Avoid:</b>	Acids, oxidizers and alkalis, bleach and ammonia. Soft Metals, Aluminum, Zinc and Tin.
<b>Hazardous Decomposition Products:</b>	Phosphine, Oxides of Phosphorous, Carbon Oxides (CO,CO <sub>2</sub> ), Nitrogen

### 11. TOXICOLOGICAL INFORMATION

**Information on Likely Routes of Exposure:** No acute or chronic toxic effects expected when used according to directions. None Identified.  
**Eye Contact ( X ), Skin ( X ), Inhalation ( X ), Ingestion ( X )**

**Potential Health Effects:**

Eyes:	Causes irritation, redness
Skin:	May cause irritation and severely dry skin
Ingestion:	Pain, nausea, vomiting and diarrhea
Inhalation:	May cause nasal discomfort and coughing
Chronic Exposure:	No symptoms known or expected

**Target Organ Effects:** Eyes, Respiratory System, Skin, Blood, and Central Nervous System. Hematopoietic System, Kidney and Liver.

**Numerical Measures of Toxicity:**

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

**Component Acute Toxicity Information**

Hazardous Components	CAS Number	Oral LD50	Dermal LD50	Inhalation LC50
Diethylene Glycol Monobutyl Ether	112-34-5	470 mg/kg (Rat)	2270 mg/kg (Rat) 220 mg/kg (Rabbit)	2.21 mg/L (Rat) 4 h 450 ppm (Rat) 4 h
Phosphoric Acid	7664-38-2	1530 mg/kg (Rat)	2740 mg/kg (Rabbit)	850 mg/m (Rat) 1 h

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicological Information:** This product has no known ecotoxicological effects. None Identified.

**Product**

**Toxicity to Fish:** No Data Available

**Toxicity to Daphnia and Other Aquatic**

**Invertebrates:** No Data Available

**Toxicity to Algae:** No Data Available

**Ingredients:**

**Toxicity to Daphnia and Other Aquatic**

**Invertebrates:** No Data Available

**Persistence and Degradability:** No Data Available

**Bioaccumulative Potential:** No Data Available

**Mobility In Soil:** No Data Available

**Other Adverse Effects:** No Data Available

**13. DISPOSAL CONSIDERATIONS**

**Waste From Residues / Unused Products:** Dispose of in accordance with all Local, State and Federal regulations.

**Empty Container:** Nonrefillable container. Do not reuse the container. Before discarding container, rinse thoroughly with water.

**14. TRANSPORT INFORMATION**

The shipper/consignor sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

**DOT (Department of Transportation):**

**Land Transport:**

Not dangerous goods

**SEA Transport (IMDG/IMO):**

Not dangerous goods

Regulatory Information	UN Number	Proper Shipping Name	Classes	PG*	Label
DOT Classification	Not Regulated	—	—	—	

NOTE: DOT classification applies to most packaging sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

PG\* - Packaging Group

**15. REGULATORY INFORMATION**

**United States:**

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory).

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

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

**SARA 304 Extremely Hazardous Substances:**

**Reportable Quantity:** This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazard Categories:**

**Acute Health Hazard:** Yes

**Chronic Health Hazard:** Yes

**Fire Hazard:** No

**Release of Pressure Hazard:** No

**Reactive Hazard:** No

**SARA 302:** SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

**SARA 313:** SARA 313: Diethylene Glycol Monobutyl Ether CAS No 112-34-5 applies to R-(OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub>-OR', where n = 1, 2, 3, R = Alkyl C7 or less, or R = Phenyl or Alkyl substituted Phenyl, R' = H or Alkyl C7 or less, or OR' consisting of Carboxylic Acid Ester, Sulfate, Phosphate, Nitrate or Sulfonate, chemical category N230.

**State Regulations:**

**California Prop 65:**

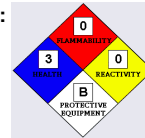
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**16. OTHER INFORMATION**

SDS Version: 1.0  
Revision Date: 3/10/2021  
Supersedes: New to GHS

HMIS RATING		
Health:	3	HMISH
Flammability:	0	HMISF
Reactivity:	0	HMISR
Personal Protection:	( B )	HMISP

NFPA:



**Personal Protection:** *Splash Goggles: A*  
*Splash Goggles & Chemical Resistant Gloves: B*  
*Splash Goggles/Chemical Resistant Gloves/Protective Clothing: C*

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