

60-1313055; 13130490

# MSDS

Material Safety Data Sheet  
Conforms to ANSI Z-400.1-1993

1313

**MAINTEX**

13300 East Nelson Avenue  
City of Industry, CA 91746

Chemtel 24 Hour Emergency Response (800) 255-3924

(800) 446-1888

## 1 Chemical Product and Company Identification

Product: **Lightning**

Classification: Super Cleaner

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## 2 Composition/Information on Hazardous Ingredients

Material	CAS#	%	OSHA(PEL)	TLV(ppm)	Other
Isopropanol	67-63-0	<5	400 ppm	400 ppm	N/A
Potassium Hydroxide	1310-58-3	<10	N/A	2 mg/m3	N/A
2- Butoxyethanol*	111-76-2	<5	25 ppm	25 ppm	OSHA-50

## 3 Hazards Identification

**Emergency Overview:** Irritant. Causes skin and eye irritation. Avoid contact with skin and eyes.

### WARNING

**Contact with Eyes:** This product is destructive to eye tissues. Will cause burns that result in damage to the eyes and even blindness if the solution remains in contact with the eye.

**Contact with Skin:** Contact with concentrate solution will result in dry skin. Prolonged or repeated contact may cause irritation or possible tissue damage.

**Skin Absorption:** A single prolonged exposure may result in absorption of toxic amounts of the product.

**Ingestion Symptoms:** Swallowing will irritate throat, esophagus and digestive tract. Product may cause burns to mucous membranes of the mouth, throat, esophagus and stomach.

**Inhalation Symptoms:** Mists/vapors may cause damage to the upper respiratory tract and even to the lung tissue. If the product is heated, vapors are acutely toxic if inhaled.

**Chronic Effects:** Respiratory tract tissue damage may result in increased susceptibility to respiratory illness. Excessive inhalation exposure may result in liver and kidney injury.

It is important to determine whether exposure is to concentrated or dilute product. The information in this document is intended to deal with exposure to concentrated product. Generally, exposure to diluted product will result in substantially less risk of injury than described herein.

## 4 First Aid Measures

**Eyes:** If eyes are contacted, flush with water for 15 minutes. If irritation persists seek medical attention.

**Skin:** If skin is contacted, wash affected area with soap and water. If irritation persists, seek medical attention.

**Inhalation:** If discomfort is experienced after prolonged exposure to mists/vapors, remove to fresh air. If breathing is difficult, give oxygen and seek medical attention.

**Ingestion:** If ingested, do NOT induce vomiting. Give moderate amounts of water to wash out mouth area and dilute remaining residue. Seek medical attention.

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## 5 Fire Fighting Measures

**Flash Point(F° TCC):** >200°F

**Flammable Limits:** LEL No Data

UEL No Data

**Auto Ignition Temperature:** No Data

**Extinguishing Media:** Water Spray, Foam, Carbon Dioxide, Dry Chemical

### Special Fire Fighting Procedures:

Firefighters should wear a positive pressure NIOSH approved self-contained breathing apparatus.

### Unusual Fire and Explosion Hazards:

Containers exposed to heat from fires should be cooled with water fog to prevent container rupture.

## 6 Accidental Release Measures

### Large Spills (55 gallons or more):

Wear rubber boots, gloves and appropriate protective clothing. Shut off source of leak if safe to do so. Dike and contain spill.

### Small Spills:

Mop up spill and rinse area.

## 7 Handling and Storage

**Handling:** Keep out of reach of children. Follow appropriate hygiene practices.

**Storage:** Store in a cool, dry place.

## 8 Exposure Controls/Personal Protection

### Ventilation and Engineering Controls:

Local exhaust

### Respiratory Protection:

None

### Protective Gloves:

Rubber Gloves

### Eye Protection:

Chemical Splash Goggles

### Other Protective Equipment:

## 9 Physical and Chemical Properties

Boiling Point(F°): 212°F	Solubility in Water: Complete	Odor: Butyl
Specific Gravity: 1.08	Volatiles(% by Wt.): 77	pH: 13 - 14
Appearance: Red	Vapor Density: >1	VOC: 65 g/L
Evaporation Rate: <1	Vapor Pressure: <17 mm Hg	Freezing Point(F°): <32°F

< means less than > means greater than

These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specific items.

## 10 Stability and Reactivity

Stability: Stable Conditions to Avoid: Heat

Materials to Avoid: Strong Oxidizers

### Hazardous Decomposition Products:

Oxides of carbon and nitrogen

### Hazardous Polymerization:

Will Not Occur

## 11 Toxicological Information

No Toxicology Information is available.

## 12 Ecological Information

No data available.

## 13 Disposal Considerations

### Waste Disposal Method:

Dispose of waste in accordance with federal, state and local regulations

## 14 Transport Information

HAZMAT: Yes Hazard Code: 1313 ID Number: UN1760 Hazard Class: 8

Hazardous Division: Corrosive liquid n.o.s.

Packaging Group: III

Hazardous Contents: Potassium Hydroxide

## 15 Regulatory Information

Proposition 65: Not Listed.

\* This product is subject to the reporting requirements of SARA Title III.

EPA: No

## 16 Other Information

HMIS/NFPA Hazard Rating: Health  Flammability  Reactivity

The information contained herein is based on the data available to us. It is believed to be correct. No warranty, expressed or implied, is made regarding the accuracy of this data or the results to be obtained from the use thereof. For further information consult Maintex, Inc.

MSDS Approval Date: 1/30/2007

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