

LUMINOX MSDS

Section 1 : MANUFACTURER INFORMATION

Supplier: Same as manufacturer.

Manufacturer: Alconox, Inc.
30 Glenn St.
Suite 309
White Plains, NY 10603.

Manufacturer emergency phone number: 800-255-3924.
813-248-0585 (outside of the United States).

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Suite 309
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Supplier MSDS date: 2005/03/14

D.O.T. Classification: Not regulated.

Section 2 : HAZARDOUS INGREDIENTS

C.A.S.	CONCENTRATION %	Ingredient Name	T.L.V.	LD/50	LC/50
34590-94-8	15-40	DIPROPYLENE GLYCOL MONOMETHYL ETHER	100 PPM (SKIN)	5400 UL/KG RAT ORAL 5.5 ML/KG RAT ORAL 10 ML/KG RABBIT DERMAL	NOT AVAILABLE
5131-66-8	5-10	PROPYLENE GLYCOL N-BUTYL ETHER	NOT AVAILABLE	5660 UL/KG RAT ORAL 3100 MG/KG RABBIT DERMAL	NOT AVAILABLE

Section 2A : ADDITIONAL INGREDIENT INFORMATION

Note*: (supplier).
CAS# 34590-94-8: LD50 5134 mg/kg - rat oral.

Section 3 : PHYSICAL / CHEMICAL CHARACTERISTICS

Physical state: Liquid.

Appearance & odor: Characteristic odour.
Colourless.

Odor threshold (ppm): Not available.

Vapour pressure @ 20°C (68°F):
(mmHg): 17

Vapour density (air=1): >1

Volatiles (%)

By volume: Not available.
Evaporation rate (butyl acetate = 1): < 1.
Boiling point (°C): 100 (212F)
Freezing point (°C): Not available.
pH: 7
Specific gravity @ 20 °C: (water = 1).
1.03
Solubility in water (%): Complete.
Coefficient of water\oil dist.: Not available.
VOC: < 50 mg/l

Section 4 : FIRE AND EXPLOSION HAZARD DATA

Flammability: Not flammable.
Conditions of flammability: Product will support combustion.
At temperatures at or above flash point.
Extinguishing media: Carbon dioxide, dry chemical, foam.
Water fog.
Special procedures: Self-contained breathing apparatus required.
Firefighters should wear the usual protective gear.
Use water to cool exposed containers.
Auto-ignition temperature: Not available.
Flash point (°C), method: >93.3 (>200F)
Lower flammability limit (% vol): Not available.
Upper flammability limit (% vol): Not available.
Not available.
Sensitivity to mechanical impact: Not available.
Hazardous combustion products: Oxides of carbon (COx).
Hydrocarbons.
Rate of burning: Not available.
Explosive power: Container explosion may occur when heated.

Section 5 : REACTIVITY DATA

Chemical stability: Product is stable under normal handling and storage conditions.
Conditions of instability: Open flames.
Extreme temperatures.
Hazardous polymerization: Will not occur.
Incompatible substances: Strong acids.
Strong oxidizing agents.
Hazardous decomposition products: See hazardous combustion products.

Section 6 : HEALTH HAZARD DATA

Route of entry: Skin contact, eye contact, inhalation and ingestion.

Effects of Acute

Exposure

Eye contact: May cause pain.
Severe irritation.
May cause swelling.

Skin contact: May cause redness, swelling.
May cause slight irritation.

Inhalation: May cause headache.
Possible irritation of the upper respiratory tract.
May cause discomfort.
May cause headache.

Ingestion: May cause diarrhea.
May cause weakness.
May cause dizziness.
May cause headache.
Large amounts may cause red blood cell damage.

Effects of chronic exposure: See effects of acute exposure.

LD50 of product, species & route: > 5000 mg/kg rat oral.

LC50 of product, species & route: Not available.

Exposure limit of material: Not available for mixture, see the ingredients section.

Sensitization to product: Not available.

Carcinogenic effects: Not listed as a carcinogen.

Reproductive effects: Not available.

Teratogenicity: Not available.

Mutagenicity: Not available.

Synergistic materials: Not available.

Medical conditions aggravated by exposure: Not available.

First Aid

Skin contact: Remove contaminated clothing.
Wash thoroughly with soap and water.
Seek medical attention if irritation persists.

Eye contact: Check for and remove contact lenses.
Flush eyes with clear, running water for 15 minutes while holding eyelids open: if irritation persists, consult a physician.

Inhalation: Remove victim to fresh air. If breathing is difficult administer oxygen. If not breathing, have qualified person give artificial respiration. Obtain medical attention.

Ingestion: Get medical attention immediately.
Never give anything by mouth to an unconscious person.
Drink a large amount of water.

Section 7 : PRECAUTIONS FOR SAFE HANDLING AND USE

Leak/Spill: Contain the spill.
Prevent entry into drains, sewers, and other waterways.
Wear appropriate protective equipment.
Soak up with an absorbent material.
Small amounts may be flushed into sanitary sewer.
Place in appropriate container for disposal.

Waste disposal: In accordance with local and federal regulations.

Handling procedures and equipment: Protect against physical damage.
Avoid breathing vapors/mists.
Wear personal protective equipment appropriate to task.
Wash thoroughly after handling.
Keep out of reach of children.
Avoid contact with skin, eyes and clothing.
Keep away from excessive heat and open flame.
Launder contaminated clothing prior to reuse.

Storage requirements: Store away from incompatible materials.
Keep containers closed when not in use.
Avoid extreme temperatures.

Section 8 : CONTROL MEASURES

Precautionary Measures

Gloves/Type:



Neoprene or rubber gloves.
(with cuffs).

Respiratory/Type:



If TLV is exceeded, wear an approved respirator.

Eye/Type:



Chemical safety goggles with side-shields.

Footwear/Type: Safety shoes per local regulations.

Clothing/Type: As required to prevent skin contact.

Other/Type: Eye wash facility should be in close proximity.
Emergency shower should be in close proximity.

Ventilation requirements: Local exhaust at points of emission.
Mechanical ventilation for confined areas.
Ventilation should be corrosion-proof.