

**DETERGENT 8 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).

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

Supplier MSDS date: 2005/03/17

D.O.T. Classification:

UN 1760,  
Corrosive Liquid, n.o.s.  
(contains monoisopropanolamine),  
8, PG II

**Section 2 : HAZARDOUS INGREDIENTS**

C.A.S.	CONCENTRATION %	Ingredient Name	T.L.V.	LD/50	LC/50
111-76-7	5-10	2-BUTOXY ETHANOL	20 PPM	470 MG/KG RAT ORAL	450 PPM/4H RAT INHALATION
				1167 MG/KG MOUSE ORAL	700 PPM/7H MOUSE INHALATION 3380 MG/M3/7H
				300 MG/KG RABBIT ORAL	MOUSE INHALATION 2900 MG/M3/7H
34590-94-8	10-30	DIPROPYLENE GLYCOL MONOMETHYL ETHER	100 PPM (SKIN)	5400 UL/KG RAT ORAL	NOT AVAILABLE RAT INHALATION DERMAL
				5.5 ML/KG RAT ORAL	
				10 ML/KG RABBIT DERMAL	
78-96-6	35-50	ISOPROPANOLAMINE	NOT AVAILABLE	1715 MG/KG RAT ORAL	NOT AVAILABLE RAT ORAL
				1640 UL/KG RABBIT DERMAL	

**Section 3 : PHYSICAL / CHEMICAL CHARACTERISTICS**

**Physical state:** Liquid.  
**Appearance & odor:** Characteristic odour of solvent.  
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): Not available.  
**Boiling point (°C):** 100 (212F)  
**Freezing point (°C):** Not available.  
**pH:** 11.2  
**Specific gravity @ 20 °C:** (water = 1),  
0.991  
**Solubility in water (%):** Complete.  
**Coefficient of water\oil dist.:** Not available.  
**VOC:** 3.35 lbs/g

**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).  
Ammonia (NH3).  
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:** Extreme temperatures.

**Hazardous polymerization:** Will not occur.

**Incompatible substances:** Strong acids.  
Strong alkalies.  
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:** Causes irritation, redness and pain.  
May cause swelling.  
Causes chemical burns.

**Skin contact:** May cause chemical burns.  
May cause redness, swelling.  
Irritant.

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

**Ingestion:** May cause vomiting.  
Causes irritation of the digestive tract.  
May cause abdominal pain.  
May cause gastric distress.  
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 for mixture, see the ingredients section.

**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.  
Do not attempt to neutralize with chemical agents.

**Eye contact:** Immediately flush eyes with running water for a minimum of 15 minutes. Hold eyelids open during flushing. Obtain medical attention immediately.  
Check for and remove contact lenses.

**Inhalation:** Remove victim to fresh air.  
If irritation persists, seek medical attention.

**Ingestion:** Dilute with large quantities of water or milk.  
Do not induce vomiting, seek medical attention.  
Never give anything by mouth to an unconscious person.

**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.  
Avoid extreme temperatures.  
Launder contaminated clothing prior to reuse.

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

**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.  
Ventilation should be corrosion-proof.