

DETOJET 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
White Plains, NY 10603.

Supplier MSDS date: 2005/03/14

D.O.T. Classification:
UN 1760,
Corrosive Liquid, n.o.s. (contains potassium hydroxide and sodium hypochlorite),
8, PG II



Section 2 : HAZARDOUS INGREDIENTS

C.A.S.	CONCENTRATION %	Ingredient Name	T.L.V.	LD/50	LC/50
1310-58-3	7-13	POTASSIUM HYDROXIDE	2 MG/M3 (CL)	273 MG/KG RAT ORAL	NOT AVAILABLE
1344-09-8	5-10	SODIUM SILICATE	NOT AVAILABLE	1960 MG/KG RAT ORAL >4640 MG/KG RABBIT DERMAL	NOT AVAILABLE
7681-52-9	1.5	SODIUM HYPOCHLORITE	NOT AVAILABLE	5800 MG/KG MOUSE ORAL	NOT AVAILABLE

Section 3 : PHYSICAL / CHEMICAL CHARACTERISTICS

Physical state: Liquid.

Appearance & odor: Slight chlorine 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: 12.4
Specific gravity @ 20 °C: (water = 1).
1.310
Solubility in water (%): Complete.
Coefficient of water\oil dist.: Not available.
VOC: None

Section 4 : FIRE AND EXPLOSION HAZARD DATA

Flammability: Not flammable.
Conditions of flammability: Surrounding fire.
Extinguishing media: Carbon dioxide, dry chemical, foam.
Water
Water fog.
Special procedures: Self-contained breathing apparatus required.
Firefighters should wear the usual protective gear.
Use water spray to cool fire exposed containers.
Auto-ignition temperature: Not available.
Flash point (°C), method: None
Lower flammability limit (% vol): Not applicable.
Upper flammability limit (% vol): Not applicable.
Not available.
Sensitivity to mechanical impact: Not available.
Hazardous combustion products: Oxides of carbon (COx).
Hydrocarbons.
Rate of burning: Not available.
Explosive power: Containers exposed to intense heat may rupture.

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 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: Pain
Corrosive.
Irritant.
Causes chemical burns.

Skin contact: Corrosive.
Irritant.
Causes chemical burns.

Inhalation: Corrosive.
Irritating to the mucous membranes and respiratory tract.
Corrosive to the mucous membranes and respiratory system.

Ingestion: Corrosive.
Abdominal pain.
Causes irritation of the digestive tract.
May cause gastric distress.

Effects of chronic exposure: See effects of acute exposure.

LD50 of product, species & route: > 500 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.
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.
Flush mouth and nasal passages with water repeatedly.

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.
Area will be slippery until cleaned.
Wear appropriate protective equipment.
Soak up with an absorbent material.
Small amounts may be flushed into sanitary sewer.
Place in appropriate container for disposal.
Notify the appropriate authorities as required.

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.