

(11192)

# Material Safety Data Sheet

**APPROVED MATERIAL**  
  
APR 25 2013  
MSDS # 11192  
APPROVED BY *[Signature]*

Revision Date 02-Apr-2013

## 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

**Product code** DL1560  
**Product name** So-Drox  
**Recommended Use** Sewer and Drain Maintenance  
  
**Supplier** Drummond, A Lawson Brand  
Lawson Products, Inc.  
8770 W. Bryn Mawr Ave. - Suite 900  
Chicago, IL 60631  
1-866-529-7664  
  
**Emergency telephone number** (888) 426-4851

## 2. HAZARDS IDENTIFICATION

**Emergency Overview**  
Corrosive! The product causes burns of eyes, skin and mucous membranes. May be fatal if swallowed.

**Aggravated Medical Conditions**  
None Known

**Principal Routes of Exposure**  
Eyes. Skin. Inhalation. Ingestion.

### Potential health effects

- Eyes** Corrosive to the eyes. Risk of serious damage to eyes.
- Skin** Corrosive. Contact causes severe skin irritation and possible burns.
- Inhalation** Respiratory irritation. Chemical burns.
- Ingestion** Corrosive. Irritating to mouth, throat and stomach. Can burn mouth, throat, and stomach. Harmful or fatal if swallowed.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Sodium hydroxide	1310-73-2	20-40

## 4. FIRST AID MEASURES

- Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention IMMEDIATELY.
- Skin contact** Remove and wash contaminated clothing before re-use. Flush area with water for 15 minutes. Get medical attention if burns persist.

- Ingestion** Drink plenty of water. Preferably milk. Seek medical attention if irritation persists. Do Not induce vomiting.
- Inhalation** Remove to fresh air. Artificial respiration and/or oxygen may be necessary. Seek medical attention immediately.

## 5. FIRE FIGHTING MEASURES

- Flash point °C** None
- Flash point °F** None
- Method** No information available
- Autoignition temperature °C** Not Applicable
- Autoignition temperature °F** Not Applicable
- Flammability Limits (% in Air)**
  - Upper** No data available
  - Lower** No data available

**Suitable extinguishing media**  
Product is nonflammable. Use extinguishing media appropriate to surrounding fire.

**Special protective equipment for firefighters**  
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Wear a NIOSH approved alkali mist respirator.

**Special Fire-Fighting Procedures**  
Avoid skin and eye contact. Avoid breathing of vapors.

**Fire and Explosion Hazards**  
Contact with active metals can release flammable hydrogen gas. Water used to fight fire may become corrosive upon contact with product.

**Sensitivity to shock**  
No information available.

**Sensitivity to static discharge**  
No information available.

## 6. ACCIDENTAL RELEASE MEASURES

**Methods for cleaning up**  
Personnel should wear appropriate protective equipment. Follow all precautions for handling. Please refer to appropriate sections of MSDS for additional information.

**Clean-up methods - small spill**  
Flush into normal drainage with copious amounts of water (if local regulations permit). Soak up excess with absorbent material.

**Clean-up methods - large spill**  
Contain spill by diking or other methods. Neutralize with acid before collection and disposal. Hold for disposal or reuse.

**7. HANDLING AND STORAGE****Handling**

Keep in a well-ventilated place. In case of insufficient ventilation, wear suitable respiratory equipment. Have water hose convenient in case of spill or leakage. Neutralize with acid. Only use containers and equipment designed for alkali service.

**Storage**

Check daily for any leaks from containers, vessels, pumps, and piping. Store in a well ventilated area.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Sodium hydroxide	2 mg/m <sup>3</sup>	-	-	-

**Ventilation and Environmental Controls**

Adequate ventilation should be provided to keep exposure levels below current acceptable exposure limits

**Hygiene measures**

Remove and wash contaminated clothing before re-use.

**Respiratory protection**

If the exposure limits are exceeded, a NIOSH/MSHA approved respirator is recommended. Wear a NIOSH approved alkali mist respirator.

**Hand Protection**

Alkali resistant gloves.

**Eye protection**

Use safety eyewear designed to protect against splash of liquids. ANSI approved safety goggles are recommended if exposure is likely.

**Skin and body protection**

Wear suitable protective clothing. Chemical resistant apron. Boots.

**Other Protective Equipment**

A safety shower and eye wash station should be available for emergency use.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	Liquid
Color	Clear
Odor	Lemon
Odor Threshold	No information available
pH	> 13.5
Specific Gravity	1.20
Vapor pressure	Not Applicable
Vapor density	Not Applicable
Evaporation Rate	No data available
Water solubility	Soluble in water
VOC Content	0
Partition Coefficient (n-octanol/water)	Not Applicable
Boiling point/range °C	104
Boiling point/range °F	220
Melting point/range °C	Not Applicable

Melting point/range °F

Not Applicable

Flash point °C

None

Flash point °F

None

**10. STABILITY AND REACTIVITY****Stability**

Stable under normal conditions.

**Conditions to avoid**

Contact with active metals can release flammable hydrogen gas.

**Incompatibility**

Strong acids. Materials not resistant to alkalis. Active metals (i.e. zinc, magnesium, tin, aluminum and their alloys).

**Hazardous Decomposition Products**

gas, flammable.

**Polymerization**

Hazardous polymerization does not occur.

**11. TOXICOLOGICAL INFORMATION****Component Information**

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Sodium hydroxide 1310-73-2	-	1350 mg/kg	-

**Synergistic Products**

None known

**Potential health effects****Sensitization**

None known

**Chronic toxicity**

None known

**Mutagenic effects**

None known

**Teratogenic effects**

None known

**Reproductive toxicity**

None known

**Target Organ Effects**

See Section 2

**Carcinogenic effects**

See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA - RTK Carcinogens
Sodium hydroxide	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

**12. ECOLOGICAL INFORMATION**

Product code DL1560

Product name So-Drox

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity effects** No information available

**HMIS**

**Health - 4**  
**Flammability - 0**  
**Physical Hazard - 0**

**13. DISPOSAL CONSIDERATIONS**

**Disposal Information**

If neutralized, may be disposable in sewers if local regulations permit. Otherwise, send to licensed treatment and disposal facility.

**Waste from residues / unused products**

As supplied, this product is a RCRA Hazardous Waste . Rinse empty container thoroughly with water before discarding. Dispose of all product, residues and clean-up materials in accordance with local, state, and federal regulations.

**Prepared By**

V. Shargorodsky, Regulatory Affairs Engineer

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

**14. TRANSPORTATION INFORMATION**

**DOT**

UN3266 Corrosive liquid, basic, inorganic, n.o.s. (Sodium hydroxide), Class 8, PG II

*Exception:* (Corrosive PG II not more than 1.0L or 1.0kg) Consumer Commodity ORM-D

**TDG**

UN3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide), Class 8, PG II

**15. REGULATORY INFORMATION**

**State Regulations**

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Sodium hydroxide	Listed	Listed	Not Listed

**International Inventories**

Chemical Name	EINECS	DSL	NDSL	TSCA
Sodium hydroxide	X	X	-	X

**CPR**

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

**16. OTHER INFORMATION**

**NFPA**

**Health - 4**  
**Flammability - 0**  
**Reactivity - 0**