

# MATERIAL SAFETY DATA SHEET

## 1. Chemical Product & Company Identification

**Material name** LAUROX LO  
**Version #** 1  
**Revision date** 01-19-2009  
**Product code** 0109-1  
**Chemical class** Amine oxide  
**Manufacturer** EnviroSpec  
751 MLK Highway  
Homerville, GA 31634  
**Emergency** Chemtrec 800-424-9300  
Chemtrec Int'l 703-527-3887

**General information** 1-800-346-4876

## 2. Hazards Identification

**Emergency overview** Moderately irritating to the eyes. Contact with this product may cause severe eye damage. Contact with skin may cause irritation. May cause irritation of respiratory tract.

### Potential health effects

**Eyes** Contact can cause moderate to severe irritation and possible injury to the eyes.  
**Skin** This product may cause irritation to the skin.  
**Inhalation** Inhalation of vapors or mists of the product may be irritating to the respiratory system.  
**Ingestion** Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
_Water	7732-18-5	45%-70%
_Lauramine Oxide	1643-20-5	30%-55%

## 4. First Aid Measures

### First aid procedures

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.  
**Skin contact** For skin contact flush with large amounts of water. Immediately take off all contaminated clothing. If irritation persists get medical attention. Wash clothing separately before reuse.  
**Inhalation** If symptoms are experienced, remove source of contamination or move victim to fresh air. If symptoms persist, get medical attention. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.  
**Ingestion** If ingestion of a large amount does occur, seek medical attention. Do NOT induce vomiting.

## 5. Fire Fighting Measures

### Extinguishing media

**Suitable extinguishing media** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

### Protection of firefighters

**Protective equipment and precautions for firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. Accidental Release Measures

**Personal precautions** Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

**Environmental precautions** Prevent further leakage or spillage if safe to do so.

<b>Methods for containment</b>	Prevent entry into waterways, sewers, basements or confined areas.
<b>Methods for cleaning up</b>	Wear appropriate protective equipment and clothing during clean-up.  Small Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.  Large Spills: Dike far ahead of liquid spill for later disposal.

## 7. Handling and Storage

<b>Handling</b>	Avoid contact with skin and eyes. Wash hands thoroughly after handling.
<b>Storage</b>	Store in cool place. Keep in a well-ventilated place.

## 8. Exposure Controls / Personal Protection

<b>Engineering controls</b>	Use general ventilation. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.
<b>Personal protective equipment</b>	
<b>General</b>	Eye wash fountain and emergency showers are recommended.
<b>Eye / face protection</b>	Wear chemical goggles. Face-shield.
<b>Skin protection</b>	Wear suitable protective clothing. Use impervious gloves.
<b>Respiratory protection</b>	If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

## 9. Physical & Chemical Properties

<b>Color</b>	Light yellow.
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>pH</b>	7 - 8.5 (10% in H <sub>2</sub> O)
<b>Boiling point</b>	212 °F (100 °C)
<b>Flash point</b>	> 201 °F (> 93.9 °C) PMCC
<b>Evaporation rate</b>	Estimated slower than ethyl ether.
<b>Flammability limits in air, upper, % by volume</b>	NOT DETERMINED.
<b>Vapor density</b>	Estimated lighter than air.
<b>Specific gravity</b>	8.05 lb/gal (@ 25 C)
<b>RVOC</b>	0 %
<b>Pour point</b>	10 °F (-12.2 °C)
<b>Viscosity</b>	18 cps (@ 25 C)
<b>Percent volatile</b>	68 - 71 %

## 10. Stability & Reactivity

<b>Chemical stability</b>	Stable at normal conditions.
<b>Incompatible materials</b>	Strong oxidizing agents. Nitrous acid and other nitrosating agents
<b>Hazardous decomposition products</b>	Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.
<b>Possibility of hazardous reactions</b>	Will not occur.

## 11. Toxicological Information

### Toxicological data

Product	Test Results
LAUROX LO	Chronic Oral LD50 Rat: 500 - 5000 mg/kg

\* Estimates for product may be based on additional component data not shown.

## 12. Ecological Information

<b>Ecotoxicity</b>	Readily biodegradable.
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### 13. Disposal Considerations

**Disposal instructions** Dispose in accordance with all applicable regulations. All wastes must be handled in accordance with local, state and federal regulations. Regulations vary.

### 14. Transport Information

**Notes** Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.

### 15. Regulatory Information

**Reportable Quantity** There is no calculable reportable quantity (RQ) for this product.

#### CERCLA (Superfund) reportable quantity

None

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** No

#### Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of New and Existing Chemicals (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

### 16. Other Information

**Further information** HMIS® is a registered trade and service mark of the NPCA.

**HMIS® ratings**  
Health: 2  
Flammability: 1  
Physical hazard: 0  
Personal protection: X

**NFPA ratings**  
Health: 2  
Flammability: 1  
Instability: 0

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**Issue date** 01-19-2009

**MSDS Section Changes** Composition / Information on Ingredients: Disclosure Overrides