

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	35%-60%
_Lauramine Oxide	1643-20-5	40%-65%

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.

Methods for containment	Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up	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

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

8. Exposure Controls / Personal Protection

Engineering controls	Use general ventilation. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.
Personal protective equipment	
General	Eye wash fountain and emergency showers are recommended.
Eye / face protection	Wear chemical goggles. Face-shield.
Skin protection	Wear suitable protective clothing. Use impervious gloves.
Respiratory protection	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

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

10. Stability & Reactivity

Chemical stability	Stable at normal conditions.
Incompatible materials	Strong oxidizing agents. Nitrous acid and other nitrosating agents
Hazardous decomposition products	Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.
Possibility of hazardous reactions	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

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