

# MATERIAL SAFETY DATA SHEET

## SECTION I

ANATRACE, INC.  
434 WEST DUSSEL DRIVE  
MAUMEE, OHIO 43537  
TELEPHONE (419) 891-3030  
FAX (419) 891-3037

Chemical Emergency (24 hr):  
- Within U.S. & Canada (800-424-9300)  
- International (703-527-3887)

Effective Date: 01/22/1996 Revised: 07/15/2004

## SECTION II IDENTITY/HAZARDS

**NAME:** n-DODECYL-N,N-DIMETHYLAMINE-N-  
OXIDE, ANAGRADE<sup>7</sup>

FLASH POINT: >212 F  
FLASH METHOD: PMCC

EXTINGUISHING MEDIA:  
Dry Chemical Water Fog, Alcohol Foam  
SPECIAL PROCEDURES:  
Use equipment suitable for ordinary combustible material.  
EXPLOSION HAZARDS:  
None known

## **CATALOG # : D360**

SYNONYM: LAURYL DIMETHYLAMINE-N-OXIDE  
CTFA Name: Lauramine Oxide

UPPER EXPLOSION LIMIT: Unavailable  
LOWER EXPLOSION LIMIT: Unavailable  
AUTO IGNITION TEMP: Unavailable

### HAZARD RATINGS:

HEALTH: 3	0 - LEAST
FIRE: 0	1 - SLIGHT
REACTIVITY: 0	2 - MODERATE
OTHER: -	3 - HIGH
	4 - EXTREME

## SECTION V PHYSICAL PROPERTIES

APPEARANCE: White solid  
ODOR THRESHOLD (ppm): Unavailable  
VAPOR PRESSURE (MM/Hg): 17.5 @ 68 F  
VAPOR DENSITY (Air=1): Lighter/Air  
EVAPORATION RATE: >1  
(Ethyl Ether = 1)  
SOLUBILITY IN WATER: Soluble  
BULK DENSITY (approx.): Not Applicable  
VOLATILE %: 65-73  
pH: 7-9  
pH METHOD: 10% in DI H2O

HAZARD RATING METHOD: HMIS

### PRECAUTIONARY STATEMENT

WARNING! Causes severe eye irritation which may result in permanent damage. Avoid contact with eyes, skin and clothing. Wear protective goggles and Neoprene gloves. Wash thoroughly after handling.

## SECTION VI HEALTH INFORMATION

EYES: Causes burns

SWALLOWING: Can cause gastrointestinal irritation, nausea, vomiting, diarrhea

## SECTION III INGREDIENTS

Description	%	CAS No.	Agency	Exp. Lim.
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1-Dodecanamine, N,N-Dimethyl-, N-Oxide		25-35	1643-20-5	Not Est.
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## SECTION IV FIRE AND EXPLOSION DATA

TOXICITY DATA:  
FHSA Acute Oral LDS0: Between 1.0 and 5.0 gm/Kg  
FHSA Eye Irritation Score: Corrosive

FHSA Skin Irritation Index: 2.0

**CARCINOGENICITY:**

This product (or components, if a mixture) is not listed in IARC Monographs, the NTP Sixth Annual Report or the current ACGIH TLVs as a carcinogen or potential carcinogen. It is not regulated by OSHA as a carcinogen.

**SECTION VII FIRST AID PROCEDURES**

BREATHING: Not applicable.

SKIN Contact: Wash thoroughly with soap and water

EYE CONTACT: Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Call a physician.

SWALLOWING: Immediately drink two large glasses of water. Call a physician.

**SECTION VIII REACTIVITY INFORMATION**

INCOMPATIBILITIES: Strong oxidizing agents

DECOMPOSITION: Thermal decomposition products include oxides of carbon and nitrogen compounds.

HAZARDOUS POLYMERIZATION: Cannot Occur

STABILITY: Stable

**SECTION IX UNINTENTIONAL RELEASE INFORMATION**

SPILL AND LEAK PROCEDURE: Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading. Pump liquid to salvage tank. Remaining liquid may be absorbed on absorbent material and shoveled into containers. Prevent run-off from entering drains, sewers or streams.

WASTE DISPOSAL: Incineration is the recommended disposal method for all chemical wastes, although material may be landfilled in accordance with all applicable regulations. This product, if disposed of, is not considered a hazardous waste under current RCRA regulations.

**SECTION X PERSONAL PROTECTION**

RESPIRATORY PROTECTION: Not required under normal conditions of use.

SKIN PROTECTION: Wear protective gloves such as: Neoprene or BUNA-N.

EYE PROTECTION: Chemical splash goggles in compliance with OSHA regulations are advised.

OTHER PROTECTION: None required.

**SECTION XI STORAGE/HANDLING/TRANSPORTATION**

STORAGE: Keep in closed or covered containers when not in use. Store in cool dry place with adequate ventilation, Do not store near heat or open flame.

HANDLING: Exercise caution when handling contents of the container. Wash with soap and water before eating, drinking, smoking, or using toilet facilities. Whenever possible, use mechanical means to move large and/or heavy objects to help prevent back injuries.

TRANSPORTATION INFORMATION: Not regulated under current DOT, IMO or ICAO regulations.

**SECTION XII ADDITIONAL INFORMATION**

SARA requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372. This information must be included in all MSDS-s that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are: NONE

**CONTROL MEASURES**

Steps to be taken if material is released or spilled.

Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.

Sweep up, place in a bag and hold for waste disposal.

Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Waste disposal method

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Observe all Federal, State, and local laws.

**SECTION XIII COMMENTS**

The absence of hazard, toxicity or other information does not imply or guarantee that a product is safe. Handle all chemicals with due and appropriate caution and under competent supervision. Minimize exposure and contact. Use good manufacturing or laboratory practices.

This bulletin is for your guidance and is based upon information and tests believed to be reliable. Anatrace makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages thereto. The data are offered solely for your consideration, investigation, and verification. These suggestions should not be confused with either state, municipal, or insurance requirements, or with national safety codes and constitute no warranty. Any use of these data and information must be determined by the user to be in accordance with applicable Federal State and local regulations.