

# Safety Data Sheet

Revision: 01/22/2014



Warning

Hazard information is provided for compliance with both the Globally Harmonized System of Classification and Labeling of Chemicals (GHS) and the UK Chemicals (Hazard Information and Packaging) (CHIP) Regulations

## IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

**PRODUCT NAME:**  
n-Dodecyl-N,N-Dimethylamine-N-Oxide, ANAGRADE

**PRODUCT CODE:**  
D360

### SUPPLIER:

Anatrace Products, LLC, 434 West Dussel Drive, Maumee, OH 43537 Phone: (419) 740-6600 Please visit our website at [www.anatrace.com](http://www.anatrace.com) for contact information on Anatrace product distributors within your area.

### Emergency Contact:

Chemtrec (800) 424-9300  
Outside USA & Canada (703) 527- 3887  
Chemtrec ID# 696910

## HAZARDS IDENTIFICATION

### GHS

Skin irritation (Category 2)  
Serious eye damage/eye irritation (Category 2A)

### LABEL ELEMENTS

#### **Hazard statements**

H315 Cause skin irritation.  
H319 Causes serious eye irritation.

#### **Precautionary statements**

P280 Wear protective gloves and eye protection.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P305 + P351+ P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### CHIP

Corrosive

#### **R & S phrases**

R:26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
R:34 Causes burns  
S: 36/37/39: Wear suitable protective clothing, gloves and eye/face protection  
S:45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)

## COMPOSITION/INFORMATION ON INGREDIENTS

### HAZARD

n-Dodecyl-N,N-Dimethylamine-N-Oxide

### CAS NO.

1643-20-5

### EC NO:

216-700-6

### %WT

≥99%

### SYNONYMS

N,N-Dimethyldodecylamine N-oxide, DDAO, LDAO, Lauryldimethylamine N-oxide

## FIRST-AID MEASURES

EYES: Flush with water for 15 minutes. Seek medical advice if irritation persists.

SKIN: Flush with water, then wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Seek medical attention if irritation persists.

INHALATION: Remove the victim from exposure and move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Keep victim quiet and warm. Seek immediate medical attention.

INGESTION: Drink water and seek immediate medical attention. Avoid alcoholic beverages. Never give anything by mouth to an unconscious person.

## FIRE-FIGHTING INFORMATION

Use media suitable to extinguish the supporting or surrounding fire. Wear NIOSH (or equivalent) approved self contained breathing apparatus. For small fires only: use carbon dioxide, dry powder or foam. Emits toxic fumes under fire conditions. NFPA Rating: H=0 F=0 R=0.

Flash Point = No data available.

## ACCIDENTAL RELEASE MEASURES

Wear appropriate personal protective equipment and clothing including lab coat, safety glasses, gloves and NIOSH-approved respirator. Collect in a manner that does not create dust and place in a suitable waste container. Avoid contact of material with skin or eyes. Use adequate ventilation.

## HANDLING AND STORAGE

Wear appropriate personal protective equipment and clothing including lab coat, safety glasses, gloves and NIOSH-approved respirator. Avoid contact of material with skin or eyes. Use adequate ventilation. Store at -20°C.

## PERSONAL PROTECTION

Wear appropriate personal protective equipment and clothing including lab coat, safety glasses, gloves and NIOSH-approved respirator. A qualified industrial hygienist should evaluate the need for respiratory protection. Use respiratory protection approved by NIOSH (or equivalent) and appropriate to the hazard. Avoid contact of material with skin or eyes. Mechanical ventilation or local exhaust as needed to control exposure to dust, vapors or mists. Access to a safety shower and eye-wash. HMIS Ratings: H=0 F=0 R=0.

**PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: White solid  
Vapor Pressure: No data available  
Solubility (Water): Soluble  
Percent Volatile: No data available  
Chemical Formula: C<sub>14</sub>H<sub>31</sub>NO

Boiling Point: No data available  
Vapor Density: No data available  
Specific Gravity: No data available  
Evaporation Rate: No data available  
Melting Point: No data available

**STABILITY AND REACTIVITY**

Product is stable. Hazardous decomposition products include carbon oxides and nitrogen oxides. Hazardous polymerization will not occur.

**TOXICOLOGICAL INFORMATION**

EFFECTS OF OVEREXPOSURE:

EYES: Contact may cause severe irritation and possible temporary eye injury.

SKIN: Contact may cause irritation, dermatitis and hypersensitive individuals may experience an allergic reaction.

INHALATION: May cause irritation and/or allergic reactions. Chronic contact exposure may lead to drying, cracking, redness and dermatitis.

INGESTION: Chronic ingestion or excessive dosage may cause irritation of the mouth, throat, esophagus and gastrointestinal tract.

ADDITIONAL INFORMATION:

Skin/eye irritation and toxicity data listed in RTECS under JR6650000.

Only select RTECS information is provided here. Please see actual RTECS entry for complete information.

Oral mouse LD50 = 2700 mg/kg (Washington, DC). Details of toxic effects not reported other than lethal dose value.

Definition(s): RTECS = Registry of Toxic Effects of Chemical Substances

**ECOLOGICAL INFORMATION**

No applicable information.

**DISPOSAL CONSIDERATIONS**

Dispose of material in accordance with applicable local, state, and federal regulations.

**TRANSPORTATION INFORMATION**

US DOT / IATA: No applicable information.

**REGULATORY INFORMATION**

RCRA - No applicable information.

SARA 302 - No applicable information.

SARA 313 - This material is not reportable under 313.

EPA TSCA Section 8(b) - Chemical Inventory.

Exposure Limits - Not established.

California Proposition 65 - No applicable information.

This data sheet is based upon information believed to be reliable. The Company makes no statement or warranty as to the accuracy or completeness of the information contained herein which is offered for your consideration, investigation and verification. Any use of the information contained in this data sheet must be determined by the user to be in accordance with appropriate applicable regulations.