Section 1. Product and Company Identification

Product Name: Lauramine Oxide  
CAS Number: 1643-20-5

Parchem - fine & specialty chemicals  
415 Huguenot Street  
New Rochelle, NY 10801  
(914) 654-6800  (914) 654-6899  
parchem.com  info@parchem.com

Section 2. Hazards Identification

Classification of the substance or mixture  
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)  
Skin corrosion (Category 1B), H314  
Serious eye damage (Category 1), H318

GHS Label Elements  
Pictograms:

Signal word: DANGER

Hazard and precautionary statements  
Hazard Statements  
H314 Causes severe skin burns and eye damage.

Precautionary Statements  
P260 Do not breathe dust or mist.  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER or doctor/physician.
Section 3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Lauramine Oxide</th>
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</thead>
<tbody>
<tr>
<td>Synonym(s)</td>
<td>N,N-Dimethyldodecylamine N-oxide; Dodecyldimethylamine oxide; Lauryldimethylamine oxide</td>
</tr>
<tr>
<td>Formula</td>
<td>C_{14}H_{31}NO</td>
</tr>
<tr>
<td>CAS Number</td>
<td>1643-20-5</td>
</tr>
</tbody>
</table>

Section 4. First Aid Measures

**Description of first-aid measures**

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**Skin contact:** Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

**Eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

**Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Most important symptoms and effects, both acute and delayed:** The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. 

**Indication of any immediate medical attention and special treatment needed:** No data available

Section 5. Firefighting Measures

**Extinguishing media**

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

**Special hazards arising from the substance or mixture:** Carbon oxides, nitrogen oxides (NOx)

**Advice for firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.

**Further information:** no data available
Section 6. Accidental Release Measures

**Personal precautions, protective equipment, and emergency procedures:** Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

**Environmental precautions:** Do not let product enter drains.

**Methods and materials for containment and cleaning up:** Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**Reference to other sections:** For disposal see section 13.

Section 7. Handling and Storage

**Precautions for safe handling:** Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.

**Conditions for safe storage, including any incompatibilities:** Keep container tightly closed in a dry and well-ventilated place. Hygroscopic. Store under inert gas.

**Recommended storage temperature:** 2 - 8°C

Section 8. Exposure Controls / Personal Protection

**Control parameters**

**Components with workplace control parameters:** Contains no substances with occupational exposure limit values.

**Exposure controls**

**Appropriate engineering controls:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Personal protective equipment**

**Eye/face protection:** Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove’s outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Body Protection:** Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face...
supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure:** Do not let product enter drains.

### Section 9. Physical and Chemical Properties

**Information on basic physical and chemical properties**

- **Appearance:** Solid
- **Odor:** No data available
- **Odor Threshold:** No data available
- **pH:** 8.0 - 9.0 at 22.9 g/l at 25°C (77°F)
- **Melting point/freezing point:** 132 - 133°C (270 - 271°F)
- **Initial boiling point and boiling range:** No data available
- **Flash point:** No data available
- **Evaporation rate:** No data available
- **Flammability (solid, gas):** No data available
- **Upper/lower flammability or explosive limits:** No data available
- **Vapor pressure:** No data available
- **Vapor density:** No data available
- **Relative density:** 0.996 g/cm³
- **Water solubility:** No data available
- **Partition coefficient (n-Octanol/water):** No data available
- **Auto-ignition temperature:** No data available
- **Decomposition temperature:** No data available
- **Viscosity:** No data available
- **Explosive properties:** No data available
- **Oxidizing properties:** No data available

**Other safety information:** No data available

### Section 10. Stability and Reactivity

- **Reactivity:** No data available
- **Chemical stability:** Stable under recommended storage conditions.
- **Possibility of hazardous reactions:** No data available
- **Conditions to avoid:** No data available
- **Incompatible materials:** Strong oxidizing agents

**Hazardous decomposition products**

**Other decomposition products:** No data available

In the event of fire: see section 5
Section 11. Toxicological Information

**Information on toxicological effects**

**Acute toxicity**
LD50 Oral - mouse: 2,700 mg/kg
Inhalation: No data available
Dermal: No data available

**Skin corrosion/irritation**
Skin - Rabbit
Result: Severe skin irritation

**Serious eye damage/eye irritation**
Eyes - Rabbit
Result: Severe eye irritation

**Respiratory or skin sensitization:** No data available

**Germ cell mutagenicity:** No data available

**Carcinogenicity**
IARC: No component of this product, present at levels greater than or equal to 0.1%, is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product, present at levels greater than or equal to 0.1%, is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product, present at levels greater than or equal to 0.1%, is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product, present at levels greater than or equal to 0.1%, is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:** No data available

**Specific target organ toxicity - single exposure:** No data available

**Specific target organ toxicity - repeated exposure:** No data available

**Aspiration Hazard:** No data available

**Additional Information**

RTECS: JR6650000

Section 12. Ecological Information

**Toxicity:** No data available
**Persistence and degradability:** No data available
**Bioaccumulative potential:** No data available
**Mobility in soil:** No data available
**Results of PBT and vPvB assessment:** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
**Other adverse effects:** No data available
Section 13. Disposal Considerations

**Waste Treatment Methods:** Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

**DOT (US)**
- **UN Number:** 3259
- **Class:** 8
- **Packing group:** II
- **Proper shipping name:** Amines, Solid, Corrosive, N.O.S. (Dodecyldimethylamine oxide)
- **Marine pollutant:** No
- **Poison Inhalation Hazard:** No

**IMDG**
- **UN number:** 3259
- **Class:** 8
- **Packing group:** II
- **EMS-No:** F-A, S-B
- **Proper shipping name:** Amines, Solid, Corrosive, N.O.S. (Dodecyldimethylamine oxide)
- **Marine pollutant:** No

**IATA**
- **UN number:** 3259
- **Class:** 8
- **Packing group:** II
- **Proper shipping name:** Amines, Solid, Corrosive, N.O.S. (Dodecyldimethylamine oxide)

Section 15. Regulatory Information

**SARA 302 Components**
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards:** Acute Health Hazard

**Massachusetts Right to Know Components**
No components are subject to the Massachusetts Right to Know Act.
Pennsylvania Right to Know Components
Dodecyldimethylamine oxide (CAS-No. 1643-20-5)

New Jersey Right to Know Components
Dodecyldimethylamine oxide (CAS-No. 1643-20-5)

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 10/17/2016