# MATERIAL SAFETY DATA SHEET
## 1-BROMODODECANE

## 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>MSDS Name:</th>
<th>1-Bromododecane</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synonyms:</td>
<td>Lauryl bromide</td>
</tr>
<tr>
<td>Company Identification:</td>
<td>Sisco Research Laboratories Pvt. Ltd.</td>
</tr>
<tr>
<td></td>
<td>Andheri (East), Mumbai – 400 099.</td>
</tr>
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<td>Tel:</td>
<td>+91 22 2687 2601</td>
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<tr>
<td>Fax:</td>
<td>+91 22 2687 8241</td>
</tr>
<tr>
<td>Website:</td>
<td><a href="http://www.srlchem.com">www.srlchem.com</a></td>
</tr>
</tbody>
</table>

## 2 - COMPOSITION, INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name:</th>
<th>%</th>
<th>EINECS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>143-15-7</td>
<td>1-Bromododecane</td>
<td>98%</td>
<td>205-587-9</td>
</tr>
</tbody>
</table>

## 3 - HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**

Irritating to eyes, respiratory system and skin.

**Potential Health Effects**

- **Eye:** Causes eye irritation.
- **Skin:** Causes skin irritation. May be harmful if absorbed through the skin.
- **Ingestion:** May cause irritation of the digestive tract. May be harmful if swallowed.
- **Inhalation:** Causes respiratory tract irritation. May be harmful if inhaled.

**Chronic:**

## 4 - FIRST AID MEASURES

- **Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
- **Skin:** Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
- **Ingestion:** Get medical aid. Wash mouth out with water.
- **Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Notes to Physician:** Treat symptomatically and supportively.
### 5 - FIRE FIGHTING MEASURES

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam.

### 6 - ACCIDENTAL RELEASE MEASURES

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Do not let this chemical enter the environment.

### 7 – HANDLING AND STORAGE

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid breathing dust, vapor, mist, or gas. Avoid contact with eyes, skin, and clothing. Avoid contact with skin and eyes. Avoid ingestion and inhalation.

**Storage:** Store in a cool, dry place. Keep container closed when not in use. Store in a tightly closed container.

### 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

**Exposure Limits**

| CAS# 143-15-7 |

**Personal Protective Equipment**

| Eyes:          | Wear chemical splash goggles. |
| Skin:         | Wear chemical splash goggles. Wear appropriate protective gloves to prevent skin exposure. |
| Clothing:     | Wear appropriate protective clothing to prevent skin exposure. |
| Respirators: | Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. |

### 9 - PHYSICAL AND CHEMICAL PROPERTIES

| Physical State: | Liquid |
| Specific Gravity/Density: | 1.068-1.070 |
| Molecular Formula: | C_{12}H_{25}Br |
Molecular Weight: 249.23

10 - STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials.
Incompatibilities with Other Materials: Strong oxidizing agents, strong bases.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, hydrogen bromide.
Hazardous Polymerization: Has not been reported.

11 - TOXICOLOGICAL INFORMATION

RTECS#: CAS# 143-15-7: None listed
LD50/LC50: RTECS: Not available.
Carcinogenicity: 1-Bromododecane - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other: The toxicological properties have not been fully investigated.

12 - ECOLOGICAL INFORMATION

Other: Do not empty into drains.

13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

14 - TRANSPORT INFORMATION

Shipping Name: IATA: Not regulated as a hazardous material
IMO: Not regulated as a hazardous material
RID/ADR: Not regulated as a hazardous material
Hazard Class: UN Number: Packing Group:

15 - REGULATORY INFORMATION

European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols: XI
Risk Phrases: R 36/37/38 Irritating to eyes, respiratory system and skin.
Safety Phrases: S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 37/39 Wear suitable gloves and eye/face protection.
WGK (Water Danger/Protection)CAS# 143-15-7: Not available
Canada CAS# 143-15-7 is listed on Canada's DSL List
US Federal
TSCA CAS# 143-15-7 is listed on the TSCA Inventory.

**16 - ADDITIONAL INFORMATION**

**SISCO RESEARCH LABORATORIES** provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.