1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MSDS Name:** Isoamyl alcohol  
**Synonyms:** Isopentyl alcohol; 3-Methyl-1-butanol; Isoamyl alcohol;  
**Company Identification:** Sisco Research Laboratories Pvt. Ltd.  
Andheri (East), Mumbai – 400 099.  
**Tel:** +91 22 2687 2601  
**Fax:** +91 22 2687 8241  
**Website:** www.srlchem.com

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>123-51-3</td>
<td>Isoamyl alcohol</td>
<td>&gt;99</td>
<td>204-633-5</td>
</tr>
</tbody>
</table>

3 - HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**  
*Flammable. Harmful by inhalation and if swallowed.*

**Potential Health Effects**  
**Eye:** Causes eye irritation.  
**Skin:** Causes skin irritation. Prolonged or repeated contact may dry/defeat the skin and cause irritation.  
**Ingestion:** May cause gastrointestinal irritation with nausea, vomiting and diarrhea. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal. May cause a narcotic effect with possible coma. May be harmful if swallowed.  
**Inhalation:** Causes respiratory tract irritation. May cause visual abnormalities. May be harmful if inhaled. Causes narcotic effects including headache, dizziness, weakness, unconsciousness.  
**Chronic:** No information found.

4 - FIRST AID MEASURES

**Eyes:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid.
**Skin:** In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse.

**Ingestion:** Potential for aspiration if swallowed. Get medical aid immediately. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If vomiting occurs naturally, have victim lean forward.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

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### 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. Use water spray to keep fire-exposed containers cool. Containers may explode if exposed to fire. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas.

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

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### 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. Remove all sources of ignition. Use a spark-proof tool. Provide ventilation. A vapor suppressing foam may be used to reduce vapors. Prevent spreading of vapors through sewers, ventilation systems and confined areas.

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### 7 – HANDLING AND STORAGE

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Do not pressurize, cut, weld, braze,
solder, drill, grind, or expose empty containers to heat, sparks or open flames. Avoid breathing vapor or mist.

**Storage:** Keep away from sources of ignition. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area.

### 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 general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

**Exposure Limits**
CAS# 123-51-3:
- United Kingdom, WEL - TWA: 100 ppm TWA; 366 mg/m3 TWA
- United Kingdom, WEL - STEL: 125 ppm STEL; 458 mg/m3 STEL
- United States OSHA: 100 ppm TWA; 360 mg/m3 TWA
- Belgium - TWA: 100 ppm TWA; 366 mg/m3 TWA
- Belgium - STEL: 125 ppm STEL; 459 mg/m3 STEL
- France - VME: 100 ppm VME; 360 mg/m3 VME
- Japan: 100 ppm OEL; 360 mg/m3 OEL
- Malaysia: 100 ppm TWA; 361 mg/m3 TWA
- Netherlands: 27 ppm MAC; 100 mg/m3 MAC
- Spain: 100 ppm VLA-ED; 366 mg/m3 VLA-ED
- Spain: 125 ppm VLA-EC; 458 mg/m3 VLA-EC

**Personal Protective Equipment**
**Eyes:** Wear chemical splash goggles.
**Skin:** Wear appropriate 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

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<tr>
<td>Molecular Formula:</td>
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<tr>
<td>Molecular Weight:</td>
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</tr>
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</table>
10 - STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:** Ignition sources, excess heat.

**Incompatibilities with Other Materials:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

**Hazardous Polymerization:** Will not occur.

11 - TOXICOLOGICAL INFORMATION

**RTECS#:**
CAS# 123-51-3: EL5425000

**LD50/LC50:**
RTECS:

**CAS# 123-51-3:** Draize test, rabbit, eye: 20 mg/24H Moderate; Draize test, rabbit, skin: 20 mg/24H Moderate; Oral, rabbit: LD50 = 3438 mg/kg; Oral, rat: LD50 = 1300 mg/kg; Oral, rat: LD50 = 4300 mg/kg; Skin, rabbit: LD50 = 3970 uL/kg.

**Carcinogenicity:** Isoamyl alcohol - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

**Other:** See actual entry in RTECS for complete information.

12 - ECOLOGICAL INFORMATION

**Ecotoxicity:** Not available

13 - DISPOSAL CONSIDERATIONS

Products considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local authority or advice. Empty containers must be decontaminated before returning for recycling.
### 14 - TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th></th>
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<tr>
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</table>

### 15 - REGULATORY INFORMATION

**European/International Regulations**

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:
- R 10 Flammable.
- R 20/22 Harmful by inhalation and if swallowed.

Safety Phrases:
- S 16 Keep away from sources of ignition - No smoking.

**WGK (Water Danger/Protection)**

CAS# 123-51-3: 1

**Canada**

CAS# 123-51-3 is listed on Canada's DSL List

**US Federal**

TSCA

CAS# 123-51-3 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.

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