Material Safety Data Sheet
Isopropyl palmitate MSDS

Section 1: Chemical Product and Company Identification

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>Isopropyl palmitate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catalog Codes:</td>
<td>SLI1042</td>
</tr>
<tr>
<td>CAS#:</td>
<td>142-91-6</td>
</tr>
<tr>
<td>RTECS:</td>
<td>Not available.</td>
</tr>
<tr>
<td>TSCA:</td>
<td>TSCA 8(b) inventory: Isopropyl palmitate</td>
</tr>
<tr>
<td>CI#:</td>
<td>Not available.</td>
</tr>
<tr>
<td>Synonym:</td>
<td>Hexadecanoic acid, 1-methylethyl ester</td>
</tr>
<tr>
<td>Chemical Name:</td>
<td>Not available.</td>
</tr>
<tr>
<td>Chemical Formula:</td>
<td>CH₃(CH₂)₁₄COOCH(CH₃)₂</td>
</tr>
</tbody>
</table>

Contact Information:
Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396
US Sales: 1-800-901-7247
International Sales: 1-281-441-4400
Order Online: ScienceLab.com
CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300
International CHEMTREC, call: 1-703-527-3887
For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS #</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl palmitate</td>
<td>142-91-6</td>
<td>100</td>
</tr>
</tbody>
</table>

Toxicological Data on Ingredients: Not applicable.

Section 3: Hazards Identification

Potential Acute Health Effects: No specific information is available in our database regarding the acute toxic effects of this material for humans.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact: No known effect on eye contact, rinse with water for a few minutes.
Skin Contact: No known effect on skin contact, rinse with water for a few minutes.
Serious Skin Contact: Not available.
Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation: Not available.

Ingestion:
Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

**Section 5: Fire and Explosion Data**

**Flammability of the Product:** May be combustible at high temperature.

**Auto-Ignition Temperature:** Not available.

**Flash Points:** CLOSED CUP: 110°C (230°F).

**Flammable Limits:** Not available.

**Products of Combustion:** These products are carbon oxides (CO, CO2).

**Fire Hazards in Presence of Various Substances:** Not available.

**Explosion Hazards in Presence of Various Substances:**
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

**Fire Fighting Media and Instructions:**
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

**Special Remarks on Fire Hazards:** Not available.

**Special Remarks on Explosion Hazards:** Not available.

**Section 6: Accidental Release Measures**

**Small Spill:** Absorb with an inert material and put the spilled material in an appropriate waste disposal.

**Large Spill:**
Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

**Section 7: Handling and Storage**

**Precautions:**
Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe gas/fumes/ vapour/spray.

**Storage:**
Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

**Section 8: Exposure Controls/Personal Protection**

**Engineering Controls:**
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
**Personal Protection:** Safety glasses. Lab coat.

**Personal Protection in Case of a Large Spill:**
Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits:** Not available.

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**Section 9: Physical and Chemical Properties**

- **Physical state and appearance:** Liquid.
- **Odor:** Not available.
- **Taste:** Not available.
- **Molecular Weight:** 298.51 g/mole
- **Color:** Not available.
- **pH (1% soln/water):** Not applicable.
- **Boiling Point:** Not available.
- **Melting Point:** 13.5°C (56.3°F)
- **Critical Temperature:** Not available.
- **Specific Gravity:** 0.8525 (Water = 1)
- **Vapor Pressure:** Not available.
- **Vapor Density:** Not available.
- **Volutility:** Not available.
- **Odor Threshold:** Not available.
- **Water/Oil Dist. Coeff.:** Not available.
- **Ionicity (in Water):** Not available.
- **Dispersion Properties:** Not available.
- **Solubility:** Insoluble in cold water.

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**Section 10: Stability and Reactivity Data**

- **Stability:** The product is stable.
- **Instability Temperature:** Not available.
- **Conditions of Instability:** Not available.
- **Incompatibility with various substances:** Not available.
- **Corrosivity:** Not available.
- **Special Remarks on Reactivity:** Not available.
- **Special Remarks on Corrosivity:** Not available.
- **Polymerization:** No.

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**Section 11: Toxicological Information**
Routes of Entry: Not available.

Toxicity to Animals:
LD50: Not available. LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: No specific information is available in our database regarding the other toxic effects of this material for humans.

Special Remarks on Toxicity to Animals: Not available.
Special Remarks on Chronic Effects on Humans: Not available.
Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations: TSCA 8(b) inventory: Isopropyl palmitate

Other Regulations: Not available.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC):
This product is not classified according to the EU regulations.

HMIS (U.S.A.):
    Health Hazard: 0
    Fire Hazard: 1
    Reactivity: 0
### Personal Protection:

**National Fire Protection Association (U.S.A.):**

- **Health:** 0
- **Flammability:** 1
- **Reactivity:** 0
- **Specific hazard:**

**Protective Equipment:**

Not applicable. Lab coat. Not applicable. Safety glasses.

### Section 16: Other Information

- **References:** Not available.
- **Other Special Considerations:** Not available.
- **Created:** 10/09/2005 05:53 PM
- **Last Updated:** 05/21/2013 12:00 PM

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