SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1. Product Identifier
Product Form: Substance
Product Name: Isopropyl Myristate
CAS No: 110-27-0
Synonyms: Isopropyl Myristate; IPM

1.2. Intended Use of the Product
Use of the substance/mixture: Skin Cosmetics, pharma excipient

1.3. Name, Address, and Telephone of the Responsible Party
Company
Acme-Hardesty Co.
450 Sentry Parkway
Blue Bell, PA 19422
T 866-226-3834  T 215-591-3610
www.acme-hardesty.com

1.4. Emergency Telephone Number
Emergency Number: 800-424-9300
For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC – Day or Night

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture
Classification (GHS-US)
Not classified

2.2. Label Elements
GHS-US Labeling
Not applicable

2.3. Other Hazards
No additional information available

2.4. Unknown Acute Toxicity (GHS-US)
No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl myristate</td>
<td>(CAS No) 110-27-0</td>
<td>100</td>
<td>Aquatic Acute 3, H402</td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16

3.2. Mixture
Not applicable
Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures
First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.
First-aid Measures After Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
Isopropyl Myristate
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

First-aid Measures After Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**First-aid Measures After Ingestion:** Rinse mouth. Do NOT induce vomiting.

4.2. **Most important symptoms and effects, both acute and delayed**

**Symptoms/Injuries:** None expected under normal conditions of use.

**Symptoms/Injuries After Inhalation:** None expected under normal conditions of use.

**Symptoms/Injuries After Skin Contact:** Contact during a long period may cause slight irritation.

**Symptoms/Injuries After Eye Contact:** May cause slight irritation to eyes.

**Chronic Symptoms:** None known.

4.3. **Indication of Any Immediate Medical Attention and Special Treatment Needed**

If medical advice is needed, have product container or label at hand.

SECTION 5: FIREFIGHTING MEASURES

5.1. **Extinguishing Media**

**Suitable Extinguishing Media:** Use extinguishing media appropriate for surrounding fire. Alcohol foam, carbon dioxide, dry chemical. Sand.

**Unsuitable Extinguishing Media:** Do not use water jet.

5.2. **Special Hazards Arising From the Substance or Mixture**

**Fire Hazard:** Not considered flammable but will burn at high temperatures.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** No reactivity hazard other than the effects described in sub-sections below.

5.3. **Advice for Firefighters**

**Firefighting Instructions:** Exercise caution when fighting any chemical fire.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. **Personal Precautions, Protective Equipment and Emergency Procedures**

**General Measures:** Handle in accordance with good industrial hygiene and safety practice.

6.1.1. **For Non-emergency Personnel**

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel. Evacuate unnecessary personnel.

6.1.2. **For Emergency Responders**

**Protective Equipment:** Equip cleanup crew with proper protection. Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Ventilate area.

6.2. **Environmental Precautions**

Prevent entry to sewers and public waters.

6.3. **Methods and Material for Containment and Cleaning Up**

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Collect spillage. Clean up spills immediately and dispose of waste safely.

6.4. **Reference to Other Sections**

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

7.1. **Precautions for Safe Handling**

**Precautions for Safe Handling:** Handle in accordance with good industrial hygiene and safety procedures. Wear recommended personal protective equipment.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Wash hands and forearms thoroughly after handling.

7.2. **Conditions for Safe Storage, Including Any Incompatibilities**

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep away from heat and direct sunlight.

7.3. **Specific End Use(s)** Skin Cosmetics, pharma excipient
SECTION 8: EXPOSURE CONTROLS/PERSOAL PROTECTION

8.1. Control Parameters
No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

8.2. Exposure Controls
Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.


Hand Protection: Wear chemically resistant protective gloves.
Eye Protection: Chemical goggles or safety glasses.
Skin and Body Protection: Wear suitable protective clothing.
Respiratory Protection: Wear approved mask.
Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties
Physical State: Liquid
Appearance: Colorless.
Odor: Characteristic.
Odor Threshold: No data available
pH: Not applicable
Relative Evaporation Rate (butylacetate=1): No data available
Melting Point: 3 °C (37.4°F)
Freezing Point: No data available
Boiling Point: 193 °C (379.4°F) @20 mmHg
Flash Point: > 150 °C (302°F) Cleveland Open Cup
Auto-ignition Temperature: No data available
Decomposition Temperature: No data available
Flammability (solid, gas): No data available
Vapor Pressure: No data available
Relative Vapor Density at 20 °C: No data available
Relative Density: No data available
Specific Gravity: 0.85 g/cm³
Solubility: Water: 0.00005 g/l
Log Pow: No data available
Log Kow: No data available
Viscosity, Kinematic: No data available
Viscosity, Dynamic: No data available
Explosive Properties: No data available
Oxidizing Properties: No data available
 Explosive Limits: Not applicable

9.2. Other Information: No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: No reactivity hazard other than the effects described in sub-sections below.
10.2 Chemical Stability: Stable under normal temperature and pressure.
10.3 Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
Isopropyl Myristate
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

10.4 Conditions to Avoid: Direct sunlight. Avoid high temperatures.
10.5 Incompatible Materials: None known.
10.6 Hazardous Decomposition Products: Carbon oxides (CO, CO2).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects
Acute Toxicity: Not classified

<table>
<thead>
<tr>
<th>Substance</th>
<th>Effect</th>
<th>Value</th>
<th>Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 Oral Rat</td>
<td>&gt; 10000 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Dermal Rabbit</td>
<td>5 g/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50 Inhalation Rat (mg/l)</td>
<td>&gt; 41 mg/l (Exposure time: 1 h)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Skin Corrosion/Irritation: Not classified
pH: 7

Serious Eye Damage/Irritation: Not classified
pH: 7

Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not classified

Aspiration Hazard: Not classified
Symptoms/Injuries After Inhalation: None expected under normal conditions of use.
Symptoms/Injuries After Skin Contact: Contact during a long period may cause slight irritation.
Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.
Symptoms/Injuries After Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Chronic Symptoms: None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

<table>
<thead>
<tr>
<th>Substance</th>
<th>Effect</th>
<th>Value</th>
<th>Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 Fish 1</td>
<td>8400 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>100 mg/l (Exposure time: 48 h - Species: Daphnia magna)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC 50 Fish 2</td>
<td>8400 mg/l (Exposure time: 96 h - Species: Brachydanio rerio)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.2. Persistence and Degradability

<table>
<thead>
<tr>
<th>Substance</th>
<th>Persistence and Degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Myristate (110-27-0)</td>
<td>Easily biodegradable.</td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative Potential

<table>
<thead>
<tr>
<th>Substance</th>
<th>Bioaccumulative Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Myristate (110-27-0)</td>
<td>Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>Log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl myristate (110-27-0)</td>
<td>&gt; 6</td>
</tr>
</tbody>
</table>

12.4. Mobility in Soil

No additional information available

12.5. Other Adverse Effects

<table>
<thead>
<tr>
<th>Substance</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Myristate (110-27-0)</td>
<td>Avoid release to the environment.</td>
</tr>
</tbody>
</table>
SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

SECTION 14: TRANSPORT INFORMATION

In Accordance With ICAO/IATA/IMDG/DOT

14.1. UN Number Not regulated for transport
14.2. UN Proper Shipping Name Not regulated for transport
14.3. Additional Information
Other information : No supplementary information available.

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations
Isopropyl myristate (110-27-0)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2 US State Regulations
Isopropyl myristate (110-27-0)
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

SECTION 16: OTHER INFORMATION

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

<table>
<thead>
<tr>
<th>Aquatic Acute 3</th>
<th>Hazardous to the aquatic environment - Acute Hazard Category 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>H402</td>
<td>Harmful to aquatic life</td>
</tr>
</tbody>
</table>

The data herein are based on our current knowledge and believed to be reliable. Acme-Hardesty Co., provides this information without any representation or warranty, expressed or implied, regarding its accuracy or correctness.

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