Section 1. Chemical Product and Company Identification

Common Name/Trade Name: Isopropyl palmitate

Manufacturer: SPECTRUM LABORATORY PRODUCTS INC.
14422 S. SAN PEDRO STREET
GARDENA, CA 90248

Commercial Name(s): Crodamol IPP; Deltyl; Deltyl prime; Isopal; Isopalm; Plymouth IPP; Propal; Sarfol IPP; Sinnoester PIT; Stepan D-70; Tegester isopalm; Unimate IPP

Synonym: Hexadecanoic acid, 1-methylethyl ester; Hexadecanoic acid, isopropyl ester; Isopropylyl Hexadecanoate; Isopropyl-n-hexadecanoate

Chemical Name: Palmitic acid, isopropyl ester

Chemical Family: Not available.

Chemical Formula: CH3(CH2)14COOCH(CH3)2 or C19-H38-O2

Supplier: SPECTRUM LABORATORY PRODUCTS INC.
14422 S. SAN PEDRO STREET
GARDENA, CA 90248

Catalog Number(s): IS160

CAS#: 142-91-6

RTECS: RT4900000

TSCA: TSCA 8(b) inventory: Isopropyl palmitate

CI#: Not available.

IN CASE OF EMERGENCY
CHEMTREC (24hr) 800-424-9300
CALL (310) 516-8000

Section 2. Composition and Information on Ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS #</th>
<th>TWA (mg/m³)</th>
<th>STEL (mg/m³)</th>
<th>CEIL (mg/m³)</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Isopropyl palmitate</td>
<td>142-91-6</td>
<td></td>
<td></td>
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<td>100</td>
</tr>
</tbody>
</table>

Toxicological Data on Ingredients: Not applicable.

Section 3. Hazards Identification

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation.

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.

Continued on Next Page
Section 4. First Aid Measures

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

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

Serious Inhalation: Not available.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

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) - 113 C.

Flammable Limits: Not available.

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

Fire Hazards in Presence of Various Substances: Slightly flammable to flammable in presence of open flames and sparks, of heat.


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: When heated to decomposition it emits acrid smoke and irritating fumes.

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.

Continued on Next Page
**Section 7. Handling and Storage**

**Precautions**
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/vapor/spray. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, alkalis.

**Storage**
Keep container tightly closed. Keep container in a cool, well-ventilated area. Sensitive to light. Store in light-resistant containers.

**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. Gloves (impervious).

**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.

**Section 9. Physical and Chemical Properties**

**Physical state and appearance**
Liquid.

**Molecular Weight**
298.51 g/mole

**pH (1% soln/water)**
Not applicable.

**Boiling Point**
160°C (320°F) @ 2 mm Hg

**Melting Point**
13.5°C (56.3°F)

**Critical Temperature**
Not available.

**Specific Gravity**
0.8525 (Water = 1)

**Vapor Pressure**
<0.1 kPa (@ 20°C)

**Vapor Density**
Not available.

**Odor**
Not available.

**Taste**
Not available.

**Color**
Colorless.

**Section 10. Stability and Reactivity Data**

**Stability**
The product is stable.

**Instability Temperature**
Not available.

**Conditions of Instability**
Excess heat, incompatible materials

**Incompatibility with various substances**
Reactive with oxidizing agents, alkalis.

**Corrosivity**
Not available.

*Continued on Next Page*
Isopropyl palmitate

| Special Remarks on Reactivity | Incompatible with nitrates |
| Special Remarks on Corrosivity | Not available. |
| Polymerization | Will not occur. |

**Section 11. Toxicological Information**

| Routes of Entry | Absorbed through skin. Eye contact. |
| Toxicity to Animals | Acute oral toxicity (LD50): >5000 mg/kg [Rat]. Acute dermal toxicity (LD50): >5000 mg/kg [Rabbit]. |
| Chronic Effects on Humans | Not available. |
| Other Toxic Effects on Humans | Slightly hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation. |
| 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 | Acute Potential Health Effects: Skin: Can cause mild to moderate skin irritation. It can be absorbed through the skin. Eyes: Can cause eye irritation. Inhalation: Inhalation of mist or vapor may cause respiratory tract irritation. A low hazard due to its very low vapor pressure. Ingestion: Low hazard |

**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 | Waste must be disposed of in accordance with federal, state and local environmental control regulations. |

**Section 14. Transport Information**

| DOT Classification | Not a DOT controlled material (United States). |
| Identification | Not applicable. |
| Special Provisions for Transport | Not applicable. |

Continued on Next Page
### Section 15. Other Regulatory Information and Pictograms

#### Federal and State Regulations

<table>
<thead>
<tr>
<th>DOT (Pictograms)</th>
<th>TSCA 8(b) inventory: Isopropyl palmitate</th>
</tr>
</thead>
</table>

#### California Proposition 65 Warning

- **California prop. 65:** This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: No products were found.
- **California prop. 65:** This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: No products were found.

#### Other Regulations

- **EINECS:** This product is on the European Inventory of Existing Commercial Chemical Substances. (EINECS No. 205-571-1).
- **Canada:** Listed on Canadian Domestic Substance List (DSL).
- **China:** Listed on National Inventory.
- **Japan:** Listed on National Inventory (ENCS).
- **Korea:** Listed on National Inventory (KECI).
- **Philippines:** Listed on National Inventory (PICCS).
- **Australia:** Listed on AICS.

#### 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.)

<table>
<thead>
<tr>
<th>Health Hazard</th>
<th>Fire Hazard</th>
<th>Reactivity</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>1</td>
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<td>B</td>
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</tbody>
</table>

#### National Fire Protection Association (U.S.A.)

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

#### WHMIS (Canada) (Pictograms)

- ![Pictogram](image)

#### DSCL (Europe) (Pictograms)

- ![Pictogram](image)

#### TDG (Canada) (Pictograms)

- ![Pictogram](image)

#### ADR (Europe) (Pictograms)

- ![Pictogram](image)

#### Protective Equipment

Gloves (impervious).
Isopropyl palmitate

| Lab coat. |
|___________|
| Not applicable. |
| Safety glasses. |

<table>
<thead>
<tr>
<th>Section 16. Other Information</th>
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</thead>
<tbody>
<tr>
<td><strong>MSDS Code</strong></td>
</tr>
<tr>
<td><strong>References</strong></td>
</tr>
<tr>
<td><strong>Other Special Considerations</strong></td>
</tr>
<tr>
<td><strong>Validated by Sonia Owen on 8/10/2007.</strong></td>
</tr>
<tr>
<td><strong>Printed 9/25/2007.</strong></td>
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<tr>
<td><strong>CALL (310) 516-8000</strong></td>
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</tbody>
</table>

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<tr>
<th>Notice to Reader</th>
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<tbody>
<tr>
<td>All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user’s responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.</td>
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