

## MATERIAL SAFETY DATA SHEET

## ISOPROPYL MYRISTATE

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : Isopropyl Myristate 99% Min.  
Chemical Name : Tetradecanoic acid, 1-methylethyl ester  
Chemical Formula : C17H34O2  
Molar Mass : 270.5  
Chemical Family : Linear aliphatic derivative  
Use : Cosmetic, Industrial applications.

## Company Information

Supplier Name & Address : Chemical Store Inc. (www.ChemicalStore.com).  
1059 Main Avenue,  
Clifton, NJ 07011.  
Tel. # (973) 405-6248  
Emergency Number : North America (Canada & US)  
1-800-255-3924 (CHEMTEL INC.). (24 HOURS)

## 2. COMPOSITION / INFORMATION ON INGREDIENT

Chemical Name : Isopropyl Myristate  
CAS # : 110-27-0  
EINECS No. : 203-751-4  
Proportion (%) : 90% Min., 98 Min. & 99% Min.  
Exposure Limit : N/A  
Toxicity Data : LD50 (Oral Rat) : Not found

## 3. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Clear, transparent liquid  
Odor : Close to odorless  
Solubility : Insoluble in water, soluble in ethanol.  
Boiling Point (°C) : Approx. 300°C  
Melting Point (°C) : Approx 0°C Vapor  
Pressure (mm of Hg at 25°C) : Data not Available  
Percentage Volatiles : Data not Available  
Evaporation Rate : Data not Available  
Vapour Density : 9.4  
Specific Gravity : 0.846 ~ 0.854 @ 25°C  
Flash Point : > 150°C  
Auto ignition temperature : 350°C  
Flammable limit (%) : Data not available  
Other properties if applicable : Data not available  
Density : 0.85 ~ 0.855

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**4. HAZARDS IDENTIFICATION**

Reacts with strong oxidizing agents

**5. FIRST AID MEASURES**

Ingestion : Rinse mouth with water. Seek medical advice if complications arise.  
Eye Contact : Flush effected eyes with plenty of water  
Skin Contact : Wash with water and soap.  
Inhalation : Move to area with fresh air if discomfort developed  
Notes to physician : Not available.

**6. FIRE FIGHTING MEASURES**

Extinguishing Media : Carbon dioxide, foam, dry powder. Do not use water. Treat as burning vegetable oil.  
Fire Fighting Instruction : Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.  
Special Hazards : Fire and explosion hazards. Under incomplete combustion, carbon monoxide is released.

**7. ACCIDENTAL RELEASE MEASURE**

Leak / Spill : Contaminated floors can be slippery. Collect spillages with soil or wood dust, wash the soiled area with water and soap or detergent.

**8. HANDLING AND STORAGE**

Handling : No special precautions are needed.  
Storage : Keep in cool dry place. Avoid excessive light and heat. Recommended to store in original container.  
Fire Prevention : Avoid open flames.

**9. EXPOSURE CONTROL AND PERSONAL PROTECTION**

Exposure limit : Not known  
Engineering measure : No special engineering requirements  
Personal Protection : No special requirements

**10. STABILITY AND REACTIVITY**

Conditions to avoid : Avoid exposure to light  
Incompatibles : Not found  
Decomposition products : When heated to decomposition material emits toxic smoke and fumes. Emits toxic fumes under fire conditions.  
Hazardous Polymerization : No.

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**11. TOXICOLOGICAL INFORMATION**

Toxicity Data	: LD50 (Oral Rat) > Not found
Carcinogenicity	: No
Reproductive Effect	: No harmful effects expected
Effects of overexposure	: No harmful effects expected
Chronic effects	: Possible hypersensitization
Target Organs	: Not found
Medical conditions Generally	: Not found
Aggravated by exposure	

**12. ECOLOGICAL INFORMATION**

Mobility &	: Not found
Bioaccumulation	: Not found
Biodegradability	: Biodegradable
Aquatic Toxicity	: LC50 > 100mg/l

**13. DISPOSAL INFORMATION**

Disposal method in accordance with all applicable national environment laws and regulations.

**14. TRANSPORT INFORMATION**

PALMSURF IPMs are not as hazardous under any transportation code.

**15. REGULATORY INFORMATION**

PALMSURF IPMs are categorized under non-hazardous chemicals.

**16. OTHER INFORMATION**

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