



# TCI AMERICA

## SAFETY DATA SHEET

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Revision number: 3  
Revision date: 11/10/2015

### 1. IDENTIFICATION

**Product name:** Isopropyl Myristate  
**Product code:** M0481

**Product use:** For laboratory research purposes.  
**Restrictions on use:** Not for drug or household use.

**Company:**  
TCI America  
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Portland, OR 97203 U.S.A.  
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**Fax:**  
+1-888-520-1075 / +1-503-283-1987  
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sales-US@TCIchemicals.com  
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**Emergency telephone number:**  
Chemical Emergencies:  
TCI America (8:00am - 5:00pm) PST  
+1-503-286-7624

Transportation Emergencies:  
Chemtrec 24-Hour  
+1-800-424-9300 (U.S.A.)  
+1-703-527-3887 (International)

**Responsible department:**  
TCI America  
Environmental Health Safety and Security  
+1- 503-286-7624

### 2. HAZARD(S) IDENTIFICATION

**OSHA Haz Com: CFR 1910.1200:** Not classifiable

**Signal word:** None

**Hazard Statement(s):** None

**Pictogram(s) or Symbol(s):** None

**Precautionary Statement(s):** None

**Hazards not otherwise classified: [HNOC]** Causes mild skin irritation. May be harmful if in contact with skin.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/Mixture:** Substance  
**Components:** Isopropyl Myristate  
**Percent:** >98.0%(GC)  
**CAS Number:** 110-27-0  
**Molecular Weight:** 270.46  
**Chemical Formula:** C<sub>17</sub>H<sub>34</sub>O<sub>2</sub>  
**Synonyms:** Isopropyl Tetradecanoate , Myristic Acid Isopropyl Ester

### 4. FIRST-AID MEASURES

**Inhalation:** If a person breathes large amounts of this chemical, move the exposed person to fresh air at once.  
**Skin contact:** If a person feels unwell or symptoms of skin irritation appear, consult a physician.  
**Eye contact:** If this chemical contacts the eyes, promptly wash (irrigate) the eyes with large amounts of water, occasionally lifting the lower and upper eyelids.  
**Ingestion:** If swallowed, seek medical advice immediately and show the container or label.

**Symptoms/effects:**

**Acute:** No data available  
**Delayed:** No data available

**4. FIRST-AID MEASURES**

**Immediate medical attention:** Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media:** Use extinguishing media suitable for surrounding materials.

**Specific hazards arising from the chemical**

**Hazardous combustion products:** These products include: Carbon oxides

**Other specific hazards:** Closed containers may explode from heat of a fire.

**Special precautions for fire-fighters:**

Not available

**Special protective equipment for fire-fighters:**

Not available

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Do not touch damaged containers or spilled material unless wearing appropriate protective clothing (Section 8).

**Personal protective equipment:** Safety glasses.

**Emergency procedures:** In case of a spill and/or a leak, always shut off any sources of ignition, ventilate the area, and exercise caution.

**Methods and materials for containment and cleaning up:**

Dike far ahead of liquid spill for later disposal.

**Environmental precautions:**

Prevent entry into sewers, basements or confined areas.

**7. HANDLING AND STORAGE**

**Precautions for safe handling:** Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound.

**Conditions for safe storage:** Keep container tightly closed in a dry and well-ventilated place.

**Storage incompatibilities:** Combustible substances, Store away from oxidizing agents

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure limits:** No data available

**Appropriate engineering controls:**

Follow safe industrial engineering/laboratory practices when handling any chemical.

**Personal protective equipment**

**Respiratory protection:** Be sure to use a MSHA/NIOSH approved respirator or equivalent.

**Hand protection:** Wear protective gloves.

**Eye protection:** Safety glasses.

**Skin and body protection:** Lab coat.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical state (20°C):** Liquid

**Form:** Clear

**Color:** Colorless - Very pale yellow

**Odor:** Odorless

**Odor threshold:** No data available

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Melting point/freezing point:	7°C (Freezing point) (45°F)	pH:	No data available
Boiling point/range:	193°C (379°F)/2.7kPa	Vapor pressure:	1.2x10 <sup>-2</sup> Pa /25°C
Decomposition temperature:	No data available	Vapor density:	No data available
Relative density:	0.85	Dynamic Viscosity:	No data available
Kinematic Viscosity:	No data available		
Partition coefficient:	7.17	Evaporation rate:	No data available
n-octanol/water (log P <sub>ow</sub> )		(Butyl Acetate = 1)	
Flash point:	164°C (327°F)	Autoignition temperature:	No data available
Flammability (solid, gas):	No data available	Flammability or explosive limits:	
		Lower:	No data available
		Upper:	No data available
<b>Solubility(ies):</b>			
Water:	Insoluble		
Very soluble:	Acetone		
Soluble:	Ether, Chloroform, Ethanol, Toluene, Ethyl acetate		
Insoluble:	Glycerol, Propylene glycol		

**10. STABILITY AND REACTIVITY**

Reactivity:	Not Available.
Chemical Stability:	Stable under recommended storage conditions. (See Section 7)
Possibility of Hazardous Reactions:	No hazardous reactivity has been reported.
Conditions to avoid:	Avoid excessive heat and light.
Incompatible materials:	Strong oxidizing agents
Hazardous Decomposition Products:	No data available

**11. TOXICOLOGICAL INFORMATION**

**RTECS Number:** XB8600000

<b>Acute Toxicity:</b>	
ihl-rat LC <sub>50</sub> :>41 g/m <sup>3</sup> /1H	ipr-rat LD <sub>50</sub> :>79500 mg/kg
orl-rat LD <sub>Lo</sub> :>16 g/kg	skn-rbt LD <sub>50</sub> :5 g/kg

<b>Skin corrosion/irritation:</b>	
skn-hmn 85 mg/3D-I MLD	skn-rbt 100 mg/24 SEV

<b>Serious eye damage/irritation:</b>	
No data available	

<b>Respiratory or skin sensitization:</b>	
No data available	

<b>Germ cell mutagenicity:</b>	
No data available	

**Carcinogenicity:**

No data available

**IARC:** No data available      **NTP:** No data available      **OSHA:** No data available

<b>Reproductive toxicity:</b>	
No data available	

<b>Routes of Exposure:</b>	Inhalation, Eye contact, Ingestion, Skin contact.
<b>Symptoms related to exposure:</b>	Skin contact may result in redness, pain or dry skin. Overexposure may result in serious illness or death.
<b>Potential Health Effects:</b>	Skin and eye contact may result in irritation. May be harmful if inhaled or ingested. Overexposure may result in serious illness or death.
<b>Target organ(s):</b>	No data available

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

**Fish:** No data available  
**Crustacea:** No data available  
**Algae:** No data available

**Persistence and degradability:** No data available  
**Bioaccumulative potential (BCF):** 1200  
**Mobility in soil:** No data available  
**Partition coefficient:** 7.17  
**n-octanol/water (log P<sub>ow</sub>)**  
**Soil adsorption (Koc):** 15000  
**Henry's Law:** 912  
**constant (PaM<sup>3</sup>/mol)**

**13. DISPOSAL CONSIDERATIONS**

**Disposal of product:** Recycle to process if possible.  
**Disposal of container:** Dispose of as unused product.  
**Other considerations:** Observe all federal, state and local regulations when disposing of the substance.

**14. TRANSPORT INFORMATION**

**DOT (US)** Non-hazardous for transportation.

**IATA** Non-hazardous for transportation.

**IMDG** Non-hazardous for transportation.

**15. REGULATORY INFORMATION****Toxic Substance Control Act (TSCA 8b.):**

This product is ON the EPA Toxic Substances Control Act (TSCA) inventory.

**US Federal Regulations****CERCLA Hazardous substance and Reportable Quantity:**

**SARA 313:** Not Listed  
**SARA 302:** Not Listed

**State Regulations****State Right-to-Know**

**Massachusetts** Not Listed  
**New Jersey** Not Listed  
**Pennsylvania** Not Listed  
**California Proposition 65:** Not Listed

**Other Information****NFPA Rating:**

**Health:** 0  
**Flammability:** 1  
**Instability:** 0

**HMIS Classification:**

**Health:** 0  
**Flammability:** 1  
**Physical:** 0

**International Inventories**

**WHMIS hazard class:** No data available.  
**EC-No:** 203-751-4

**16. OTHER INFORMATION**

**Revision date:** 11/10/2015

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TCI chemicals are for research purposes only and are NOT intended for use as drugs, food additives, households, or pesticides. The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above named supplier nor any of its affiliates or subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our SDS are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated SDS for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, face mask, fume hood). For proper handling and disposal, always comply with federal, state and local regulations.