



WILMAR OLEOCHEMICAL GROUP

SDS No. : WOG-E-002
First Issued : 01 Feb 2014

Revision No. : 04
Revision Date : 23 Dec 2016

MATERIAL SAFETY DATA SHEET

1. Chemical Product and Company Identification

- a. Product name : Isopropyl Myristate
b. Product code : WILFARESTER IPM
c. Recommended use : Raw material for manufacturing oleochemical derivatives
d. Manufacturing Site : Dubois Natural Esters Sdn. Bhd.
PLO 428, Jalan Besi Satu, Pasir Gudang Industrial Estate,
81700 Pasir Gudang, Malaysia.

Emergency contact : Dr. Augustine Shak Kim Fui (Natural Oleochemicals Sdn. Bhd)
DL : 607-2533840
e-mail : augustine.shakkimfui@my.wilmar-intl.com

2. Hazards Identification

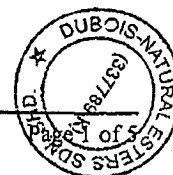
- a. Classification of the substance or mixture:
Product is non-hazardous
- b. Label elements
- Pictograms : No Symbol Required
 - Signal words : Non Hazardous
 - Hazard Statement(s) : Not Applicable
 - Precautionary statement(s): Wear protective gloves, protective clothing, eye protection, face protection. If skin irritation occurs: Get medical advice and attention. Wash hands thoroughly after handling. Take off contaminated clothing and wash before reuse.
- c. Other hazards which do not result in classification (e.g. dust explosion hazard): None

3. Composition/Information on Ingredients

Chemical Name	INCI Name	Formula	CAS No	EC No
Isopropyl Myristate	Isopropyl Myristate	C ₁₇ H ₃₄ O ₂	110-27-0	203-751-4

4. First-aid Measures

- a. **Eye contact**
Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention urgently.
- b. **Skin contact**
Wash skin thoroughly with soap and water. Remove contaminated clothing as washing proceeds.
- c. **Inhalation**
Remove from exposure. Keep warm and at rest. Seek medical Attention if you feel unwell.





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c. Personal protective equipment

- Protection of respiratory system : Wear air respirator
- Eye protection : Wear goggles
- Hand protection : Wear protective gloves
- Body protection : Wear protective clothing, safety shoes
- Hand protection : Wear protective gloves
- Body protection : Wear protective clothing, safety shoes

9. Physical and Chemical Properties

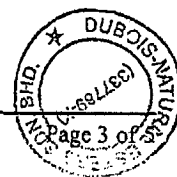
- a. Appearance (physical state, color, etc.) : Colourless liquid
- b. Melting point : Approx. 0°C
- c. Boiling point : 300°C @ 760 mmHg
- d. Flash point : > 150°C (Cleveland open cup)
- e. Density : Approx 0.850-0.855 g/ml at 20 °C
- f. Particle Size Distribution : Not applicable
- g. Vapor Pressure : < 1 mbar @ 20 °C
- h. Partition coefficient : n-octanol/water : Not available
- i. Water Solubility : Insoluble @ 20 °C
- j. Surface Tension : Not available
- k. Auto Flammability : Not available
- l. Flammability : Not available
- m. Explosiveness : Not available
- n. Oxidizing Properties : Not available
- o. Stability in organic solvent : Not available
- p. Dissociation constant : Not available
- q. Viscosity : Not available

10. Stability and Reactivity

- a. Chemical stability: Not available.
- b. Possibility of hazardous reactions: Not available
- c. Conditions to avoid (e.g. static discharge, shock, vibration, etc.): Extreme heat, cold or direct fire
- d. Incompatible materials: Oxidant
- e. Hazardous decomposition products : None known

11. Toxicological Information

- a. Information on toxicological effects
 - Acute toxicity : Not available
 - Skin corrosion/irritation : Not available
 - Serious eye damage/eye irritation : Not available
 - Respiratory or skin sensitization : Not available
 - Germ cell mutagenicity : Not available
 - Carcinogenicity : Not available
 - Reproductive toxicity : Not available





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Specific target organ toxicity (single exposure) : Not available

Specific target organ toxicity (repeated exposure) : Not available

Aspiration Hazard : Not available

Potential health effects

Inhalation : Not available

Ingestion : Not available

Skin : Not available

Eyes : Not available

Signs and symptoms of exposure:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

12. Effects on the Environment

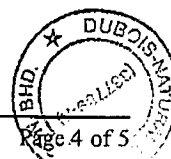
- a. Toxicity : Not available
- b. Persistence and degradability : Readily biodegradable
- c. Bioaccumulative potential : Not available
- d. Mobility in soil : Not available
- e. Other adverse effects : Not available

13. Disposal Considerations

- a. Disposal methods: Waste may be disposed of by a licensed waste disposal company. Follow local, state and federal disposal regulations.
- b. Precautions for disposal (including the disposal method of contaminated containers and packages).
Product and packaging should be disposed of in accordance with the local, state and federal regulations.

14. Transport Information

- a. UN number : Not available
- b. UN proper shipping name : Not available
- c. Transport hazard classes : Not hazardous according to RID/ADR, GGVS/GGVE, ADN, IMDG, ICAO-TI/IATA-DGR.
- d. Packing group, if applicable : Not available
- e. Environmental hazard :
Marine pollutant (yes/no) : No





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15. Regulatory Information

- a. Industrial Safety and Health Law : Not available
- b. Toxic Chemical Control Law : Not available
- c. Dangerous Substance Safety Management Law : Not available
- d. Wastes Management Law : Not available
- e. Other regulations in domestic and foreign countries

Observe prescribed Federal, State and Local measures for dealing with chemicals listed on EINECS (EU), TSCA-CSI (USA), DSL (Canada), AICS (Australia), ENCS (Japan), ECL (Korea), PICCS (the Philippines) and IECSC (China).

16. Other Information

This information presented here is believed to be accurate and pertains only to the product when stored in a sealed condition, as prescribed above. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product. Manufacturer shall in no way be liable for any claims, losses and damages of any third party, or for lost profits, or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, from the use of this product.





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- c. **Inhalation**
Remove from exposure. Keep warm and at rest. Seek medical Attention if you feel unwell.
- d. **Ingestion**
Wash out mouth with water. Do not induce vomiting. Keep warm and at rest. Seek medical.
- e. **Most important acute and delayed symptoms/effects**
None

5. Fire Fighting Measures

- a. **Suitable (and unsuitable) extinguishing media**
Use dry powder, water spray, foam, carbon dioxide for extinguishing. Avoid using large quantities of water.
- b. **Specific hazards arising from the chemical (e.g. hazardous combustion products)**
Irritating and highly toxic gases may be generated by thermal decomposition or combustion.
- c. **Special protective equipment and precautions for fire-fighters**
Wear a self-containing breathing apparatus and full protective gear.

6. Accidental Release Measures

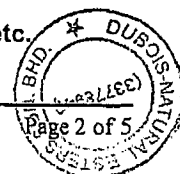
- a. **Measures required for personal protection and protective equipment**
Use rubber gloves, air respirator, goggles, safety shoes and lab coat. Remove contaminated clothing and wash hands between breaks and at end of duty hours. Locate eye washes and emergency showers in all work and storage areas.
- b. **Measures required for environment protection:** Not available
- c. **Clean-up and removal method**
Remove all potential ignition sources. Contain spilled material. Cover with an inert or non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Clean with hot water & detergents. Observe state, federal & local disposal regulations

7. Handling and Storage

- a. **Precautions for safe handling**
Use in well ventilated areas. Avoid creating dust. Avoid inhaling dust. Avoid contact with skin eyes and clothes. Wear personal protective equipment (see section 8). Wear respiratory protection. Material can be slippery underfoot.
- b. **Conditions for safe storage (Including Incompatibilities)**
Keep away from drains, soils, surface & ground waters. Store in tightly closed original container when not in use. Storage area should be cool and dry. Keep away from ignition sources & naked flames. Store according to hazard classification.
- c. **Recommended handling temperature :**
Refer to Heating Instruction

8. Exposure Controls and Personal Protective Equipment

- a. **Exposure limits of the chemical substance, biological exposure limits and etc.**





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None established.

b. **Appropriate engineering controls**

Use normal precautionary measures for handling chemicals.

c. **Personal protective equipment**

- Protection of respiratory system : Wear air respirator
- Eye protection : Wear goggles
- Hand protection : Wear protective gloves
- Body protection : Wear protective clothing, safety shoes
- Hand protection : Wear protective gloves
- Body protection : Wear protective clothing, safety shoes

9. Physical and Chemical Properties

- a. Appearance (physical state, color, etc.) : Colourless liquid
- b. Melting point : -28 °C
- c. Boiling point : Approx 230°C @ 760 mmHg
- d. Flash point : > 230°C (Cleveland open cup)
- e. Density : Approx 0.93-0.96 g/ml at 20 °C
- f. Particle Size Distribution : Not applicable
- g. Vapor Pressure : 3 mbar @ 30 °C
- h. Partition coefficient : n-octanol/water : Not available
- i. Water Solubility : Insoluble @ 20 °C
- j. Surface Tension : Not available
- k. Auto Flammability : Not available
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- e. Hazardous decomposition products : None known

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a. **Information on toxicological effects**

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Germ cell mutagenicity : Not available
Carcinogenicity : Not available
Reproductive toxicity : Not available
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Potential health effects
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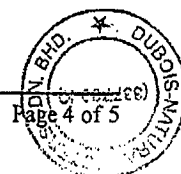
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- d. Packing group, if applicable : Not available
- e. Environmental hazard :
Marine pollutant (yes/no) : No

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- a. Industrial Safety and Health Law : Not available





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