



# WILMAR OLEOCHEMICAL GROUP

SDS No. : WOG-E-004  
First Issued : 01 Feb 2014

Revision No. : 12  
Revision Date : 16 Jun 2022

## SAFETY DATA SHEET

### 1. Chemical Product and Company Identification

- a. Product Name : Caprylic / Capric Triglycerides  
b. Synonym : Medium Chain Triglyceride  
c. Product code : WILFAESTER MCT / WILFAESTER MCT-CN  
MCT 5545/ MCT 6040/ MCT 7030  
d. Identification No. : CAS No. 73398-61-5 EC No. 277-452-2  
e. Recommended use : Raw material for manufacturing oleochemical derivatives  
f. Manufacturing Sites : **1. Dubois-Natural Esters Sdn. Bhd.**  
PLO 428, Jalan Besi Satu, Pasir Gudang Industrial Estate,  
81700 Pasir Gudang, Malaysia.  
**2. PT. Wilmar Nabati Indonesia, Gresik**  
Jl. Kapten Darmo Sugondo No. 56, Gresik-61124, East  
Java, Indonesia.
- Emergency contact : Outside USA  
Contact Person : Head of Quality / Safety & Health Officer  
Tel : +607-2533888  
Email : [wogsds@my.wilmar-intl.com](mailto:wogsds@my.wilmar-intl.com)
- Within USA  
Shan Nathan (Wilmar Oils Fats (Stockton) & Wilmar Oleo North  
America, LLC)  
Address : 2008 Port Road B, Stockton, CA 95203,  
United States  
DL : 209-507-7503  
Email : [shan.nathan@us.wilmar-intl.com](mailto:shan.nathan@us.wilmar-intl.com)

### 2. Hazards Identification

- a. **Classification of the substance or mixture:**  
Classification according to Regulation (EC) No 1272/2008 : Not hazardous substance  
Classification according to EU Directives 67/548/EEC : Not classified
- b. **Label elements**
- Pictograms : No symbol required
  - Signal words : Not applicable
  - Hazard Statements : Not applicable
  - Precautionary statements : Not applicable
- c. Other hazards which do not result in classification (e.g. dust explosion hazard): None

### 3. Composition/Information on Ingredients

#### a. Substances

##### Chemical characterization

Substance name : Glycerides, mixed decanoyl and octanoyl



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**Identification numbers**

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- b. **Mixture** : Not applicable. The product is not a mixture.

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**4. First-aid Measures**

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- 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.
- 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

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**5. Fire Fighting Measures**

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- a. **Suitable (and unsuitable) extinguishing media**  
Use water spray, alcohol-resistant foam, dry chemical or 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.

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**6. Accidental Release Measures**

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- 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**  
Prevent further leakage or spillage if safe to do so.
- c. **Clean-up and removal method**  
Remove all potential ignition sources. Contain spilled material. Cover with an inert or noncombustible inorganic absorbent material, sweep up and remove to an approved disposal container. Clean with hot water & detergents. Observe state, federal & local disposal regulations.



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## 7. Handling and Storage

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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

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## 8. Exposure Controls and Personal Protective Equipment

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

None established.

b. **Appropriate engineering controls**

Use normal precautionary measures for handling chemicals.

c. **Personal protective equipment**

- Eye protection : Wear goggles
- Hand protection : Wear protective gloves
- Body protection : Wear protective clothing, safety shoes

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## 9. Physical and Chemical Properties

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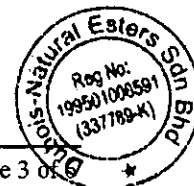
- |   |                                  |
|---|----------------------------------|
| a. Appearance (physical state, color, etc.) | : Colourless liquid              |
| b. Melting point                            | : <-5 °C                         |
| c. Boiling point                            | : Approx 230 °C@ 760 mmHg        |
| d. Flash point                              | : >230°C (Cleaved 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 @ 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                                | : 30 – 32 mPa.s @ 20 °C          |

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## 10. Stability and Reactivity

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- 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 product: None known





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### 11. Toxicological Information

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**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  
Guinea pig - No skin sensitization (OECD Test Guideline 406)

Germ cell mutagenicity : Not available  
Carcinogenicity : Not available  
Reproductive toxicity : Not available  
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.

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### 12. Effects on the Environment

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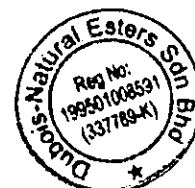
- a. **Toxicity** : Not available  
b. **Persistence and degradability** : Readily biodegradable (Test OECD 301F)  
100% degraded on day 8  
c. **Bioaccumulative potential** : Not available  
d. **Mobility in soil** : Not available  
e. **Other adverse effects** : Not available

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### 13. Disposal Considerations

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- 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.



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#### 14. Transport Information

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

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#### 15. Regulatory Information

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- a. **Safety, health and environmental regulations/legislation specific for the substance or mixture**

**United States (USA)**  
**SARA**

**Section 355 (extremely hazardous substances):**  
Substance is not listed.

**Section 313 (Specific toxic chemical listings):**  
Substance is not listed.

**TSCA (Toxic Substances Control Act):**  
Substance is listed.

**Proposition 65 (California):**  
**Chemicals known to cause cancer:**  
Substance is not listed.

**Chemicals known to cause reproductive toxicity for females:**  
Substance is not listed.

**Chemicals known to cause reproductive toxicity for males:**  
Substance is not listed.

**Chemicals known to cause developmental toxicity:**  
Substance is not listed.

**Carcinogenic Categories**  
**EPA (Environmental Protection Agency)**  
Substance is listed.

**IARC (International Agency for Research on Cancer)**  
Substance is not listed.

**TLV (Threshold Limit Value established by ACGIH)**  
Substance is not listed.

**NIOSH-Ca (National Institute for Occupational Safety and Health)**  
Substance is not listed.





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**Canada**  
**Canadian Domestic Substances List (DSL)**  
Substance is listed.

**Korea**  
**Korea Existing Chemicals List (KECL)**  
Substance is listed.

**Philippines**  
**Philippines Inventory of Chemicals and Chemical Substances**  
Substance is listed.

**National regulations:**  
**Other regulations, limitations and prohibitive regulations**  
**Substances of very high concern (SVHC) according to REACH, Article 57**  
Substance is not listed.

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out

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## 16. Other Information

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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.

