

## Material safety data sheet SDS

According to EU Regulation 1907/2006 in the current version

### MCT Oil

#### 1. Identification of the substance/mixture and company

Product name/trade name: MCT Oil  
INCI: Caprylic/Capric Triglyceride  
Uses: Cosmetic Ingredient; Triglycerides, Medium-Chain  
Supplier company identification: Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania  
Tel/Fax: +40259-436.755, [www.ellemental.com](http://www.ellemental.com)  
Emergency: RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București.  
International emergency number: +49 180 2273-112

#### 2. Hazards Identification

##### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

##### 2.2 Label elements

No labeling is required according to Regulation (EC) No. 1272/2008

##### 2.3 Other hazards

None known

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment. Not PBT Substance (Persistent, Bioaccumulative and Toxic) or vPvB (very Persistent and very Bioaccumulative).

#### 3. Declaration of ingredients

##### 3.1 Substances

Triglycerides, Medium-Chain 100%

Not a hazardous substance according to Regulation (EC) No. 1272/2008

##### 3.2 Mixtures

Not applicable

#### 4. First aid measures

##### 4.1 Description of first aid measures.

Due to the composition and type of the substances present in the product, no particular warnings are necessary.

Inhalation.

If breathing stops, seek emergency medical attention. Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration.

Eye contact.

Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.

Skin contact.

Remove contaminated clothing.

Ingestion.

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Keep calm. NEVER induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed.

No known acute or delayed effects from exposure to the product.

4.3 Indication of any immediate medical attention and special treatment needed.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

## 5. Fire fighting measures

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5.1 Extinguishing media.

Suitable extinguishing media:

Extinguisher powder or CO<sub>2</sub>. In case of more serious fires, also alcohol-resistant foam and water spray.

Unsuitable extinguishing media:

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

5.2 Special hazards arising from the substance or mixture.

Special risks.

Exposure to combustion or decomposition products can be harmful to your health.

5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account.

Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots.

## 6. Accidental release measures

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6.1 Personal precautions, protective equipment and emergency procedures.

For exposure control and individual protection measures, see section 8.

6.2 Environmental precautions.

Product not classified as hazardous for the environment, avoid spillage as much as possible.

6.3 Methods and material for containment and cleaning up. Contain and collect spillage with inert absorbent material (earth, sand, vermiculite, Kieselguhr...) and clean the area immediately with a suitable decontaminant.

Deposit waste in closed and suitable containers for disposal, in compliance with local and national regulations (see section 13).

6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

## 7. Handling and storage

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7.1 Precautions for safe handling.

The product does not require special handling measures, the following general measures are recommended:

For personal protection, see section 8.

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In the application area, smoking, eating, and drinking must be prohibited. Follow legislation on occupational health and safety. Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

7.2 Conditions for safe storage, including any incompatibilities.

The product does not require special storage measures. As general storage measures, sources of heat, radiation, electricity and contact with food should be avoided. Keep away from oxidising agents and from highly acidic or alkaline materials. Store the containers between 5 and 25°C, in a dry and well-ventilated place.

Store according to local legislation. Observe indications on the label. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

7.3 Specific end use(s).

Not available.

## 8. Exposure controls / personal protection

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### 8.1 Control parameters

Handle according to good industrial hygiene and safety practice.

The product does NOT contain substances with Professional Exposure Environmental Limit Values. The product does

NOT contain substances with Biological Limit Values. Concentration levels PNEC

### 8.2 Exposure controls

Inhalation: Avoid inhalation and handle in a place with adequate ventilation

Eye: Wear safety glasses or goggles

Skin: Wear appropriate clothing and gloves

Environment: Provide environmental protection according to local legislation

## 9. Physical and chemical properties

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### 9.1 Information on basic physical and chemical properties.

Physical state: Liquid

Colour: Colorless to yellowish

Odour: Odorless

Odour threshold: Not applicable/Not available due to the nature/properties of the product

Melting point: -10°C (Cloud Point)

Freezing point: Not applicable/Not available due to the nature/properties of the product

Boiling point or initial boiling point and boiling range: >300 °C

Flammability: 425°C

Lower explosion limit: Not applicable/Not available due to the nature/properties of the product

Upper explosion limit: Not applicable/Not available due to the nature/properties of the product

Flash point: 250 °C

Auto-ignition temperature: Not applicable/Not available due to the nature/properties of the product

Decomposition temperature: > 300 °C

pH: Not applicable/Not available due to the nature/properties of the product

Kinematic viscosity: Not applicable/Not available due to the nature/properties of the product

Solubility: < 1 mg/l (in Water at 20°C)

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Hydrosolubility: Insoluble

Liposolubility: Soluble

Partition coefficient n-octanol/water (log value): Not available

Vapour pressure: <1hPa 20°C

Absolute density: Not applicable/Not available due to the nature/properties of the product

Relative density: 0,930-0,960 (20°C)

Relative vapour density: Not applicable/Not available due to the nature/properties of the product

Particle characteristics: Not applicable/Not available due to the nature/properties of the product

#### 9.2 Other information

Information with regard to physical hazard classes

Explosives: Explosive properties: The product does not have explosive properties.

Oxidising liquids: Oxidizing properties: Non oxidizing

### 10. Stability and reactivity

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#### 10.1 Reactivity.

The product does not present hazards by their reactivity.

#### 10.2 Chemical stability.

Stable under the recommended handling and storage conditions (see section 7).

#### 10.3 Possibility of hazardous reactions.

The product does not present possibility of hazardous reactions.

#### 10.4 Conditions to avoid.

Avoid any improper handling.

#### 10.5 Incompatible materials.

Oxidizing agents; Alkalies

#### 10.6 Hazardous decomposition products.

Does not decompose when used for intended uses.

### 11. Toxicological information

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#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Eye irritation: Not considered irritant

Skin irritation: Not considered irritant

Phototoxicity: Not considered phototoxic

Acute oral toxicity: No data available

Mutagenicity: Not considered mutagenic

#### 11.2 Information on other hazards

Endocrine disrupting properties: This product does not contain components with endocrine-disrupting properties with effects on human health.

Other adverse health effects: There is no information available on other adverse health effects

### 12. Ecological information

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#### 12.1 Toxicity

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No data available

#### 12.2 Persistence and degradability

No information is available on the degradability

Not PBT Substance (Persistent, Bioaccumulative and Toxic) or vPvB (very Persistent and very Bioaccumulative).

#### 12.3 Bioaccumulative potential

No data available

#### 12.4 Mobility in soil.

No information is available about the mobility in soil.

The product must not be allowed to go into sewers or waterways.

Prevent penetration into the ground.

#### 12.5 Results of PBT and vPvB assessment.

Not PBT Substance (Persistent, Bioaccumulative and Toxic) or vPvB (very Persistent and very Bioaccumulative), according to assessment made in the Chemical Safety Report, substance does not meet criteria to be considered PBT or vPvB.

#### 12.6 Endocrine disrupting properties.

This product doesn't contain components with environmental endocrine disrupting properties.

#### 12.7 Other adverse effects.

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

No information is available about other adverse effects for the environment.

### 13. Disposal considerations

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#### 13.1 Product/Packaging disposal

Waste must be disposed of in line with local regulations

#### 13.2 Waste treatment-relevant information

Waste must be disposed of in line with local regulations

#### 13.3 Sewage disposal-relevant information

Avoid release to the environment or sewage system

#### 13.4 Other disposal recommendations

Handle contaminated packages in the same way as the product

### 14. Transport information

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Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

#### 14.1 UN number or ID number.

Transportation is not dangerous.

#### 14.2 UN proper shipping name.

Description:

ADR/RID: Not classified as hazardous for transport.

IMDG: Not classified as hazardous for transport.

ICAO/IATA: Not classified as hazardous for transport.

#### 14.3 Transport hazard class(es).

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Transportation is not dangerous.

14.4 Packing group.

Transportation is not dangerous.

14.5 Environmental hazards.

Transportation is not dangerous.

Transport by ship, FEm – Emergency sheets (F – Fire, S - Spills): Not applicable.

14.6 Special precautions for user.

Transportation is not dangerous.

14.7 Maritime transport in bulk according to IMO instruments.

Not classified as hazardous for transport.

## 15. Regulatory information

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15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

Kind of pollutant to water (Germany): nwg: Non-hazardous to water. (Autoclassified according to the AwSV Regulations)

15.2 Chemical safety assessment

No data available

## 16. Additional information

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16.1 Abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Test-ing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regula-tion (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergen-cy Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration as-sociated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good La-boratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships car-rying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - Interna-tional Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; INCI: International Nomenclature of Cosmetic Ingredients; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test popula-tion; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - Interna-tional Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Ef-fect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent,

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Bioaccumulative and Toxic sub-stance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quanti-tative) Structure Activity Relationship; PNEC: Predicted No Effect Concentration; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Re-striction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; STE: Short-term exposure; STEL: Short Term Exposure limit; STOT: Specific Target Organ Toxicity; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

#### Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.