

MATERIAL SAFETY DATA SHEET (MSDS)

1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY

Material Name: Ojon Oil
 Scientific name: *Elaeis oleifera* *Kemel oil*
 Product Code: C-OL0119VG.

2. COMPOSITION / INFORMATION ON INGREDIENTS

INCI name(CTFA)	CAS no.	EINECS no.	Concentration	EU Symbol	EU R-Phrase
<i>Elaeis oleifera</i> <i>Kemel oil</i>	8002-75-3	N/A	A	No health risk	No health risk
INCI name (EU labeling)	CAS no	EINECS no.	Concentration	EU Symbol	EU R-Phrase
<i>Elaeis oleifera</i> <i>Kemel oil</i>	8002-75-3	N/A	A	No health risk	No health risk

¹CTFA dictionary
²FDA - Code (A = >50 %, B = 25 -50%, C = 10 - 25%, D = 5 -10%, E = 1 -5 %, F = 0,1 -1, G = <0,1%)

3. HAZARD IDENTIFICATION

No data or information available to evaluate general aspects.

Potential Chronic Health Effects	Effects
Carcinogenic	Not Available
Mutagenic	Not Available
Teratogenic	Not Available
Developmental toxicity	Not Available

Repeated or prolonged exposure is not known to aggravate medical condition.

Special attention during handling: Avoid moisture and heat.

Exposure symptom: No risk.

4. FIRST AID

Inhalation	Not available.
Skin contact	No adverse effects due to skin contact expected. Wash with water and soap. Sensible individuals may present dermatology alterations after long exposition to the oil.
Eye contact	If wearing contact lenses, remove them. Wash eyes with clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.

Ingestion Non toxic in small doses. For sizeable amount, seek medical assistance. Effects appear more severe in individuals with kidney problems.

In case of doubts or when symptoms persist, call a doctor. Never administer any medicine for unconscious people.

5. FIRE – FIGHTING MEASURES

Extinguishing measures: Carbon Dioxide (CO₂), dry chemical powder or appropriate foam. Do not use a direct stream of water to extinguish.

Special risks: Fire can cause thick and black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion products can be harmful to your health.

Protective measures for fire fighting team

Fire protection equipment: According to the size of the fire, it may be necessary to use fire fighting protective clothes against the heat, individual breathing equipment, gloves, protective gloves or facemasks.
Class B Fire; Application of water to burning oil can cause splattering; oil will float; use air supplied equipment for fighting interior fires.

Other recommendations: Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take into consideration the wind direction. Prevent the products used to fight the fire from going into drains, sewers, or waterways.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

For non emergency people team: Eliminate possible ignition points and ventilate the area. Avoid breathing fumes. For exposure control and individual protection measures.

Environmental Precautions: Prevent the contamination of drains, surface or subterranean waters, and the ground. In case of large spills or if the product contaminates lakes, rivers, or sewers, inform the responsible authorities according to local legislation.
Recommended intermittent clean air exchanges.
Dispose of in accordance with local, state and federal regulations .

Cleaning methods: Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc). Store the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned.

7. HANDLING AND STORAGE

Precautions for safe handling: Keep the container tightly closed and isolate from heat sources, sparks, and fire. Prevent the contact with skin or eyes. In the application area, smoking, eating, and drinking must be prohibited. Follow legislation on occupational health and safety. Keep the product in containers made of a material identical to the original.

Conditions for safe Store in a cool, dry location, in a sealed container, don't expose to direct sunlight, keep

storage, including any incompatibility storing temperature below 77°F (25°C) 24 months, should be stored tightly sealed, protected from light and heat.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Environmental and occupational exhibition limits were not determined, but the following cautions should be followed for individual protection:

- Eye Protection: Safety Glasses
- Skin Protection: N/A
- Respiratory Protection: Not needed under normal conditions of use
- Ventilation: Area should be well ventilated
- Special: N/A
- Mechanical: N/A
- Other Protective Clothing: None
- Work/Hygienic Practices: Normal work and hygiene practices for handling non-hazardous liquid materia.

Control parameters Environmental and occupational exposition limits were not determined.

Engineering measures control Measures not determined.

Personal protection measures Eye Protection: Safety Glasses
 -Skin Protection: N/A
 -Respiratory Protection: Not needed under normal conditions of use
 -Ventilation: Area should be well ventilated
 -Special: N/A
 -Mechanical: N/A
 -Other Protective Clothing: None
 -Work/Hygienic Practices: Normal work and hygiene practices for handling non-hazardous liquid materia.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Aspect at 25 °C	Viscous liquid
Color	Reddish
Odor	Typical
pH	No data
Melt Point (°C)	18,5
Density at 25 °C (g/cm³)	No data
Refraction value at 40°C (Zeiss)	No data
Iodine Index (gI₂/100g)	50.0 - 70.0
Saponification Index (mgKOH/g)	180.0 - 200.0
Peroxide Index (10meqO₂/kg)	< 10
Acid Index (mgNaOH/g)	< 15
Solubility in water	Insoluble
Partition coefficient	No data

10. STABILITY AND REACTIVITY

Stability:	Generally stable, becomes rancid on extended exposure to air, avoid strong oxidizers.
Possibility of dangerous reaction:	Avoid proximity to heating sources and/or ignition.
Conditions to be avoided:	Avoid proximity to heating sources and/or ignition.
Incompatible materials:	None

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Acute effects are not expected after exposure to the product. DL50 oral: not determined DL50 dermal: not determined CL50: not determined
Skin irritation:	May cause mild skin irritation
Eye irritation:	May cause mild irritation to eyes
Respiratory or skin sensitization	not expected sensitizing effects after exposure to the product
Germ cell mutagenicity	not expected that the product presents mutagenic potential
Carcinogenicity	Not expected that the product has carcinogenic potential
Reproductive toxicity	Not expected that the product present to potential toxicity reproduction
Systemic target organ toxicity - single exposure	Systemic effects are not expected after a single exposure to the product

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Product does not present risk
Persistence and degradability	Good degradability
Bioaccumulative potential	No bioaccumulation
Mobility in Soil	Well-tolerated
Other Adverse Effects	Not determined
Ecotoxicity:	Product does not present risk

13. DISPOSAL CONSIDERATIONS

Methods of Disposal	Dumping into sewers or waterways is prohibited. Waste and empty containers must be handled and eliminated according to current, local/national legislation.
Waste Disposal Method(s)	Physically clean up, check local landfill disposal requirements
EU Code of Disposal	Dispose in accordance with local regulations.

14. TRANSPORT INFORMATION

Transport temperature (°C)	15 °C
Transport signalization:	N.A

15. REGULATORY INFORMATION

State Right-To-Know (RTK) Information: Check with specific state authorities since regulations vary within the states.

16. OTHER INFORMATION

Source of key data	The recommendations presented in this Material Safety Data Sheet (MSDS) were compiled from actual test data, when available, comparison with similar products, component information from suppliers and from recognized codes of good practice.
--------------------	---

The information and recommendations contained herein are, to the best of our knowledge and belief, accurate and reliable as of the date issued, but is offered without guarantee or warranty. They relate to the specific material designated and may process.

Conditions of use the material are under the control of the user, therefore, it is user`s responsibility to satisfy himself as to the suitability and completeness of such information for this own particular use.