

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

Product name	Palm kernel oil
French product name	Huile de palmiste
INCI Name	Elaeis guineensis kernel oil
Extraction method	Cold pressed and decanted
Quality	100% pure and natural
Application	Cosmetics, skin care
Supplier	SOPREEF
Adress	BP 53, Sokone, Sénégal <a href="mailto:sopreef@vivredurable.net">sopreef@vivredurable.net</a>

## 2. Hazard Identification

No known ingredient of this product is classified hazardous

Eye contact	N/A
Skin contact	N/A
Ingestion	N/A
Inhalation	N/A

## 3. Composition/Information on ingredients

INCI	Elaeis guineensis kernel oil
CAS	8023-79-8
EINECS	232-425-4
Restrictions	N/A
Status	Fixed oil
Origin	Senegal
Functions	Emollient
Uses	Skin care

## 4. First aid measures

Eye contact	Wash thoroughly with copious amount of water for at least 15 minutes. Seek medical advice if symptom persists.
Skin contact	Not known as dangerous Eventually wash with soap and water- get medical attention if any irritation
Ingestion	Not considered as dangerous. Edible quality. If ingested in large quantities, seek medical attention if discomfort is encountered.
Inhalation	Remove victim to fresh air

In case of doubt or if irritation and symptoms persist, seek medical advice.

## 5. Fire Fighting Measures

Extinguishing media recommended:

Suitable	Carbon dioxide dry powder or foam, sand.
Unsuitable	Water (can help spread the flame).
Fire protection	Keep away from, and avoid contact with, flames and sparks. Do not smoke
Extinguishing procedures	Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

## 6. Accidental Release Measures

Personal precautions	Be careful of slipping after spill or leak.
Prevention	Contain and absorb leaks with non-combustible absorbent materials, such as sand, soil, vermiculite and diatomaceous earth in the barrels for waste disposal. Contain spillage with sawdust.  Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.
Environment protection	Do not allow to enter drains of water sources.
Cleaning up methods for spillages	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 and detergents. Do not use solvents. Observe state, federal and local disposal regulations.

## 7. Handling and storage

Handling	Use only equipment resistant to vegetable oils, avoid leaks and ensure it does not soak into the floor Apply good manufacturing practice & industrial hygiene practices. Observe good personal hygiene, and do not eat, drink or smoke whilst handling. Avoid static discharges.
Storage	Keep in tightly sealed containers, in an inert atmosphere and away from light, heat and moisture. Keep air contact to a minimum Keep away from and avoid contact with flames, sparks or strong oxidizing agents

## 8. Exposure Control/Personal protection

Respiratory protection	No special measures under normal use
Hand protection	No special measures under normal conditions.
Eye protection	Safety glasses if there is a risk of splashing
Other protective equipment	Work clothing, mask and safety shoes
Work/hygiene practices	Wash hands with soap & water after handling.

## 9. Physical and chemical properties

Appearance	oil
Odour	Spicy, fruity sweet, slightly green
Colour	Light yellow. White when solid
Specific gravity	0.952 g/mL at 20 °C
Water solubility	
Acid value	0.3-0.6 mg KOH/g oil
Peroxide value	1.0 meq peroxides O <sub>2</sub> /kg oil
Iodine value	16-19
Saponification value	242-254
Melting point/Freezing point	23 à 30°C
Smoke point	220 °C
Flash point	267 °C
Components	>80% saturated fatty acids, 45-55% Lauric acid

## 10. Stability and reactivity

Reactivity	No significant reactivity hazard
Chemical stability	Generally stable under the recommended storage conditions, can go rancid on exposure to excessive air and heat
Shelf life	> 12 months
Possibility hazardous reactions	Hazardous polymerization will not occur
Conditions to avoid	Avoid strong acids, alkali, oxidizing agents or heat.
Decomposition products	None (thermal decompositions products are H <sub>2</sub> O and CO <sub>2</sub> )

## 11. Toxicological Information

Contains no substances classified as dangerous according to Directive 1272/2008

Acute LD50	N/A
Dermal and eye irritation	N/A
Carcinogenicity, Mutagenicity	Not been found to be a carcinogen nor produce genetic, reproductive or development effects

## 12. Ecological information

This product has not been subjected to ecotoxicological testing. Water insoluble.

Ecotoxicity	N/A
Biodegradability	Biodegradable and unlikely to accumulate in aquatic environment.
Precautions	Prevent surface contamination of soil, ground & surface water

## 13. Disposal Consideration

Do not pour into drains or into water sources.

Incineration	Incinerate in accordance with local regulations.
Disposing of used containers	Observe the local regulations

## 14. Transport Information

- Transport the product in accordance with ADR/US DOT for road transport, RID for rail transport, IMDG for sea transport and ICAO/IATA for air transport.
- Not classified as hazardous for transport

## 15. Regulatory Information

N/A

## 16. Other information

This document is generated for the purpose of distributing health, safety and environmental data. The information contained in this sheet should be regarded as the description of the safety requirements relating to our product, it is not a specification sheet nor should any displayed data be construed as a specification. We do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with handling, storage, use or disposal of this product.

### Sources

ResearchGate

<https://www.researchgate.net>

European Commission database for information on cosmetic substances and ingredients

<https://ec.europa.eu/growth/tools-databases/cosing/>

Cosmetics Ingredients Selector

<https://cosmetics.specialchem.com/inci-names>

INCI Beauty

<https://incibeauty.com/>

European chemical agency

<https://echa.europa.eu/home>

Commission des normes, de l'équité, de la santé et de la sécurité du travail du Canada

<https://reptox.cnesst.gouv.qc.ca/>