

1. Identification of the substance and of the company

Product name	Castor seed oil cold pressed Huile de ricin
INCI Name	Ricinus communis seed oil
Application	Cosmetics, skin and hair care
Supplier	SOPREEF
Adress	BP 53, Sokone, Sénégal sopreef@vivredurable.net

2. Hazard Identification

Not hazardous according to EU-regulation

Eye contact	Mildly irritating to eyes.
Skin contact	Not expected to be an irritant
Ingestion	Oral exposure will cause nausea, vomiting, severe diarrhea and cramping (colic)
Inhalation	No known hazard

3. Composition/Information on ingredients

INCI	Ricinus communis seed oil (100%)
CAS	8001-79-4
EINECS	232-293-8
Status	Fixed oil
Origin	Senegal

4. First aid measures

Eye contact	Rinse eyes immediately with large amounts of water for at least 15 minutes, occasionally lifting the eyelids. Seek medical advice if symptoms persist.
Skin contact	Wash off with soap and plenty of water. Seek medical advice if symptom persists.
Ingestion	If swallowed, contact physician or poison control center immediately.
Inhalation	Not likely to be hazardous by inhalation Remove victim to fresh air if any irritation.

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.

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	Use anti-slip shoes
Work/hygiene practices	Wash hands with soap & water after handling.

9. Physical and chemical properties

Appearance	Oil, viscous at 20°C
Odour	Typical, strong
Colour	Light to dark green
Specific gravity	0.96
Acid value	< 2 mg KOH/g
Peroxide value	< 10 meqO2/kg
Iodine value	80 to 90
Saponification value	175 à 188 mg/L
Flash point	>230°C

10. Stability and reactivity

- Stable under ordinary conditions of use and storage
- Avoid strong acids, alkali, oxidizing agents or heat.
- Decomposition : none (thermal decompositions products are H₂O and CO₂)

11. Toxicological Information

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

Acute LD50	no data available
Dermal and eye irritation	Expected to be practically non-toxic by dermal route; may cause irritation.
Oral	Expected to possess a relatively low degree of acute oral toxicity.
Carcinogenicity, Mutagenicity	Not listed by IARC, NTP or OSHA as a carcinogen. No test data is available that indicates this material is a carcinogen.

12. Ecological information

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

Biodegradability	Biodegradable and unlikely to accumulate in aquatic environment. Discharge of large quantities into aquatic environment may kill fish and other organisms by oxygen depletion
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 for road transport, RID for rail transport, IMDG for sea transport and ICAO/IATA for air transport. Not classified as hazardous for transport
- General: Not regarded as hazardous material.

15. Regulatory Information

According to Directive 88/379/EEC :

Hazards	N/A
Symbols	N/A
Risk Phrases	N/A
Safety phrases	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.