

1. Identification of the substance and of the company

Product name	Balanites aegyptiaca (Desert date) seed oil cold pressed
French name product	Huile de balanites
INCI Name	Balanites roxburghii seed oil
Extraction method	Cold pressed and decanted
Quality	100% pure and natural
Application	Cosmetics, Body care
Supplier	SOPREEF
Address	BP 53, Sokone, Sénégal sopreef@vivredurable.net
Enterprise registration	SN FTK 2008 B 2008

2. Hazard Identification

Not hazardous according to EU-regulation

Eye contact	Not expected to be an irritant
Skin contact	Not expected to be an irritant
Ingestion	Food grade
Inhalation	No known hazard

3. Label elements

Labelling according Regulation (EC) N°1272/2008[CLP]

Hazard pictogram	Hazard symbol or symbols not applicable
Signal word	No signal word
Precautionary statement	Do not get in eyes (P262)
Supplemental Hazard information (EU)	Repeated exposure may cause skin dryness or cracking (EUH066)

4. Composition/Information on ingredients

INCI	Balanites roxburghii seed oil (100%)
CAS	-
EINECS	-
Restrictions	N/A
Status	Fixed oil
Origin	Senegal
Uses	Skin conditioning, Hair care, Massage

5. 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.

6. 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.

7. 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.

8. 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. 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

9. 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.

10. Physical and chemical properties

Appearance	oil
Aroma	Typical
Colour	Yellow, Light yellow to Light brown
Specific gravity	0.91
Water solubility	No solubility in water
Peroxide value	<10 meq O ₂ /kg
Iodine value	<100 I ₂ g /100g
Acid value	<3 mg KOH/g
Saponification value	182 mg KOH/g
Melting point/Freezing point	8°C
Smoke point	
Flash point	>110°C
Components	65.6% of unsaturated fatty acids : linoleic (34-40%), (oleic 25-30%), stearic (15-19%) and palmitic (13-15%) High contents of sterols (2.11 g/kg), and in tocopherols (512.40 mg/kg). Major phytosterols : β -sitosterol (0.75 g/kg), stigmasterol (0.6 g/kg) and cycloarterol (0.24 g/kg)

11. Stability and reactivity

- Generally stable under the recommended storage conditions, can go rancid on exposure to excessive air and heat.
- Avoid strong acids, alkali, oxidizing agents or heat.
- Decomposition : none (thermal decompositions products are H₂O and CO₂)

12. Toxicological Information

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

Acute oral toxicity	no data available
Dermal and eye irritation	Patch test method (IIM = 0) / Not irritating HetCam method (score = 3,0) / Mildly irritating
Carcinogenicity, Mutagenicity	No component of this product present at levels greater than or equal to 0,1% is identified as probable, possible or confirmed human carcinogen by IARC

13. Ecological information

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

Biodegradability	No data available
Precautions	Prevent surface contamination of soil, ground & surface water

14. 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

15. Transport Information

Not classified as hazardous for transport

- ADR/US DOT Shipping description (Land) : Not regulated
- IMO-IMDG Shipping description (Sea) : Not regulated
- ICAO/IATA Shipping description (Air) : Not Regulated
- RID Shipping description (Rail) : Not regulated

16. Regulatory Information

This product does not meet the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives

According to Directive 88/379/EEC :

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

17. Other information

Disclaimer

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Sources

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>

European chemical agency
<https://echa.europa.eu/home>

Composition and balance of the analytical fractionation of desert date (*Balanites aegyptiaca* L.) seeds harvested in Senegal - Djibril Diedhiou, Mamadou Faye, Laure Candy, Virginie Vandenbossche, Gérard Vilarem, Oumar Sock, Luc Rigal - African journal of biotechnology - vol.20(4), pp.150-158, April 2021
<https://academicjournals.org/journal/AJB/article-full-text/B56E3FA66624>

Evaluation of the toxicological status of Balanite aegyptiaca seed oil - Ibrinke A. Ajayi, Ajoke F. Folorunso - Advances in Life Science and Technology - vol10,2013
<https://core.ac.uk/download/pdf/234686817.pdf>