

MATERIAL SAFETY DATA SHEET.

1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

Product name: **Avocado Oil unrefined**

SUPPLIER: Norfolk Trading 1 Rigby's Crt Norwich NR2 1NT

Telephone +44 (0)1603 610883

2. COMPOSITION / INFORMATION ON INGREDIENTS.

DEFINITION/BOTANICAL ORIGIN: Produced by cold press centrifugal separation of the whole fruit of the Avacodo tree (*Persea gratissima*). It consists principally of the triglycerides of fatty acids.

CAS No:	8024-32-6
EINECS:	232-428-0
Status:	Natural
Additives:	none
INCI name:	Persea gratissima

3. HAZARDS IDENTIFICATION:

Concentrated product. Do not ingest. Observe good housekeeping procedures.

4. FIRST-AID MEASURES:

INHALATION:	No vapours present at normal temperatures.
EYE CONTACT:	Rinse immediately with plenty of water for at least 15 mins. Contact a doctor if symptoms persist.
SKIN CONTACT:	No hazard for normal industrial handling
INGESTION:	Not considered hazardous.
OTHER:	When assessing action take Risk & Safety Phrases into account (Section 15)

5. FIRE FIGHTING MEASURES.

EXTINGUISHING MEDIA RECOMMENDED: Use CO₂, Dry Powder or Foam type of Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

SPECIAL MEASURES: Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

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: Avoid contact with skin eyes and clothes. Note that spillages constitute a slipping hazard. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.

ENVIRONMENT PRECAUTIONS: Keep away from drains, soils, surface & groundwaters.

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 & detergents. Observe state, federal & local disposal regulations.

7. HANDLING & STORAGE.

PRECAUTIONS IN HANDLING: Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling. Avoid static discharges.

STORAGE CONDITIONS: Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.

FIRE PROTECTION: Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION.

RESPIRATORY PROTECTION: No special measures under normal conditions.
HAND PROTECTION: No special measures under normal conditions.
EYE PROTECTION: Use safety glasses if there is a risk of splashing.
WORK/HYGIENE PRACTICES: Wash hands with soap & water after handling.

9. PHYSICAL & CHEMICAL PROPERTIES.

COLOUR: Green
APPEARANCE: Liquid
ODOUR: Virtually none
SPECIFIC GRAVITY AT 20°C: 0.9100 to 0.9200
REFRACTIVE INDEX @ 20°C: 1.4600 to 1.4700
FLASH-POINT °C: >100
MOISTURE AND INSOLUBLE IMPURITIES: Less than 0.1%
IODOINE VALUE (WIJS): 80-95
SAPONIFICATION VALUE: 177-198
UNSAPONIFIABLE MATERIALS: 1-2%
FREE FATTY ACIDS (AS OLEIC ACID) 3% max
PEROXIDE VALUE MEQ/KG: 10 max
FATTY ACID COMPOSITION: C16:0 Palmitic 5-25%
C16:1 Palmitoleic 1-10%
C18:0 Stearic 3% max
C18:1 Oleic 54-74%
C 18:2 Linoleic 6-16%
C18:3 Linolenic 5% max

10. STABILITY & REACTIVITY.

REACTIVITY: It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidising agents.

DECOMPOSITION: Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

11. TOXICOLOGICAL INFORMATION.

Not believed to be a harmful substance.

12. ECOLOGICAL INFORMATION.

BIODEGRADABILITY: Data not available

PRECAUTIONS: Prevent surface contamination of soil, ground & surface water.

13. DISPOSAL CONSIDERATIONS.

Avoid disposing to drainage systems and into the environment. Seek expert advice.

14. TRANSPORT REGULATIONS.

ROAD (ADR/RID): N/A
AIR (IATA): N/A
SEA (IMDG): N/A

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.

Conc. % Limits:

PACKAGING:

Type	Suitability
Glass	Yes
Lacquer lined steel/tin	Yes
Aluminium	Yes
HPPE	Yes
F/HDPE	Yes
Other plastic	Yes

SHELF-LIFE

Min 12 months when stored within advised conditions.

Q.C. REQUIREMENTS.

In-line with general product specification. Always satisfy suitability for specific application.
Retest after 6 months.

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