

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

Product name: **Palm Kernel Oil (hardened)**

Product code: H1

SUPPLIER: The Soap Kitchen, 11a South Street, Torrington, Devon, EX38 8AA.

Emergency Tel No: 01805 622944 Emergency Contact: Mr. Richard Phillips.

2. COMPOSITION / INFORMATION ON INGREDIENTS.

Definition/Botanical Origin: Hydrogenated, refined vegetable oil.

H-No: CAS No: Status: natural

CoE No: FEMA: Additives: none

FDA: IFRA: Not restricted Application: Cosmetics, skin care

RIFM: EINECS: RTECS:

INCI name: Elaeis Guineensis FCCIV:

3. HAZARDS IDENTIFICATION:

Not considered hazardous under normal use. 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: Wash thoroughly with soap & water. Non irritating.

INGESTION: Not considered dangerous. Edible quality.

OTHER: When assessing action take Risk & Safety Phrases into account (Section 15)

5. FIRE FIGHTING MEASURES.

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

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

SPECIAL MEASURES: Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

EXTINGUISHING PROCEDURES:

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 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.

FOR SPILLAGES:

7. HANDLING & STORAGE.

PRECAUTIONS IN HANDLING:	Apply good manufacturing practice & industrial hygiene practices. Observe good personal hygiene, and do not eat, drink or smoke whilst handling. Avoid static discharges.
STORAGE CONDITIONS:	Store in suitable container, in a cool & dry 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:	White-to-pale straw coloured solid, fat.
APPEARANCE:	Soft solid at ambient temperatures
ODOUR:	Free from rancid and foreign odours
MELTING POINT °C:	31 - 34 °C aprox.
FLASH POINT °C:	>300
SOLUBILITY IN WATER:	Insoluble
SOLUBILITY IN ALCOHOL:	Soluble
FREE FATTY ACID CONTENT (% AS OLEIC):	0.1 max
PEROXIDE VALUE (meq O ₂ / kg):	1.0 max
COLOUR (LOVIBOND 5.25 CELL):	10.0 yellow max. 1.5 red max.
IODINE VALUE:	4 – 9.

10. STABILITY & REACTIVITY.

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

11. TOXICOLOGICAL INFORMATION.

Not tested on animals.

12. ECOLOGICAL INFORMATION.

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

13. DISPOSAL CONSIDERATIONS.

Avoid disposing to drainage systems and into the environment. Observe local authority regulations.

14. TRANSPORT REGULATIONS.

Road (ADR/RID):	n/a
SEA (IMDG):	n/a
AIR (IATA):	n/a
CHIP:	See section 15

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.

Product type/uses: Glycerides of fatty acids.

PACKAGING:

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

SHELF LIFE

When stored within advised conditions, re-test after 12 months then every 6 months up to a maximum shelf life of 24 months.

Q.C. REQUIREMENTS.

In-line with general product specification. Always satisfy suitability for specific application.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.