

MATERIAL SAFETY DATA SHEET.

1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

Product name: **Hazelnut Oil refined**

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

Telephone +44 (0)1603 610883.

2. COMPOSITION / INFORMATION ON INGREDIENTS.

DEFINITION/BOTANICAL ORIGIN: The oil is derived from the shell-free nuts of the hazel-nut shrub *Corylus avellana*. These are processed by sole mechanical pressing, followed by filtration.

CAS No: 84012-21-5

EINECS: 281-667-7

Additives: none

Status: Natural

INCI name: Corylus avellana

3. HAZARDS IDENTIFICATION:

Concentrated product. 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. Wash with soap and water.
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.

OCCUPATIONAL EXPOSURE LIMIT:	5mg/m3 for oil mists (TWA 8h-workday) recommended based upon the ACGIH TLV (Analysis according to US NIOSH method 5026, NIOSH manual for analytical methods, 3 rd Ed.).
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:	Clear, light yellow
APPEARANCE:	Liquid
ODOUR:	Virtually none
FLASH POINT (°C):	>70
DENSITY AT 20°C:	0.912 to 0.917
REFRACTIVE INDEX @ 20°C:	1.467 to 1.474
IODOINE VALUE (WIJS):	85-97
SAPONIFICATION VALUE:	188-195
ACID VALUE MEQ/KG:	1 max
FATTY ACID COMPOSITION:	C14:0 Myristic 0.5% max C16:0 Palmitic 4-7% max C16:1 Palmitoleic 0.5% max C18:0 Stearic 1-3% C 18:1 Oleic 68-85% C18:2 Linolic 8-22% 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
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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): not regulated
AIR (IATA): not regulated
SEA (IMDG): not regulated

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.

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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