

MATERIAL SAFETY DATA SHEET.

1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

PRODUCT NAME: **Dill Oil**

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

Telephone: +44 (0)1603 610883.

2. COMPOSITION / INFORMATION ON INGREDIENTS.

DEFINITION/BOTANICAL ORIGIN: The volatile oil obtained from *Peucedanum graveolens*.

H-No: N/A	CAS No: 90028-03-8	Status: N/A
CoE No: N/A	FEMA: N/A	Additives: N/A
FDA: N/A	IFRA: N/A	Application: N/A
RIFM: N/A	EINECS: 289-790-8	RTECS: N/A
INCI name: Peucedanum graveolens		FCCIV: N/A

3. HAZARDS IDENTIFICATION:

R10 Flammable

Xn Harmful

Xi irritating

4. FIRST-AID MEASURES:

INHALATION: Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.

EYE CONTACT: Rinse immediately with plenty of water for at least 15 mins. Contact a doctor if symptoms persist.

SKIN CONTACT: Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.

INGESTION: Rinse mouth out with water. Seek medical advice **immediately**.

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 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 inhalation & direct contact with skin & eyes. 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. 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.

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: Avoid breathing product vapour. Apply local ventilation where possible.

VENTILATION: Ensure good ventilation of working area.

HAND PROTECTION: Avoid all skin contact. Use chemically resistant gloves if required.

EYE PROTECTION: Use safety glasses.

WORK/HYGIENE PRACTICES: Wash hands with soap & water after handling.

9. PHYSICAL & CHEMICAL PROPERTIES.

COLOUR: Colourless to pale yellow

APPEARANCE: Mobile liquid

ODOUR: Sweet, Spicy

FLASH-POINT °C: 58

SPECIFIC GRAVITY @ 20°C: 0.895-0.910

REFRACTIVE INDEX @ 20°C: 1.481-1.492

OPTICAL ROTATION @ 20°C: +70° TO +80°

KETONES, CALCULATED AS CARVONE: 43-63%.

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.

No data available

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): Class 3 Item 31/c RID No 301; ADR RN N/2301

AIR (IATA/ICAO): Class 3 Packing group III UN 1169

SEA (IMDG): 3036-1 Class 3 UN No: 1169

CHIP: See Section 15.

15. REGULATORY INFORMATION. According to Directive 88/379/EEC

HAZARDS: Harmful, Irritating
SYMBOLS: Xn, Xi
RISK PHRASES: R10 Flammable
R65 May cause lung damage if swallowed
R38 Irritating to skin
R43 Possible sensitisation by contact with the skin
SAFETY PHRASES: S16 No smoking, keep sources of ignition at a distance
S62 Do not cause vomiting if substance has been swallowed, obtain medical advice immediately.
S24 Avoid contact with skin

16. OTHER INFORMATION.

Conc. % Limits:

PACKAGING:

Type	Suitability
Glass	Yes
Lacquer lined steel/tin	Yes
Aluminium	Yes
HPPE	No
F/HDPE	Yes
Other plastic	No

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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