

MATERIAL SAFETY DATA SHEET.

1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

PRODUCT NAME: **CINNAMON OIL**

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

Telephone +44 (0)1603 610883

2. COMPOSITION / INFORMATION ON INGREDIENTS.

DEFINITION/BOTANICAL ORIGIN: By steam distillation of *Cinnamomum zeylanicum* Nees.

H-No: 3301.29 CAS No: 8015-91-6 Status: natural

CoE No: 133 FEMA: 2291 Additives: none

FDA: 182.20 IFRA: restricted Application:

RIFM: monograph EINECS: RTECS:

INCI name: Cinnamon zeylanicum FCCIV:

3. HAZARDS IDENTIFICATION:

Xn Harmful

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:	Clear yellow
APPEARANCE:	Liquid
ODOUR:	That of cinnamon
FLASH-POINT°C:	72
SPECIFIC GRAVITY @ 20°C:	1.000 to 1.0400
OPTICAL ROTATION @ 20°C:	0° to -2°
REFRACTIVE INDEX @ 20°C:	1.5730 to 1.6000
SOLUBILITY IN 70% ETHANOL @ 20°C:	Soluble 1 + 3.
SOLUBILITY IN VEGETABLE OILS:	Soluble
SOLUBILITY IN WATER:	Insoluble
ASSAY:	Cinnamaldehyde limits 60-80% w/w.

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.

Acute oral rat LD₅₀ 3.4 ml/Kg. (D.L. J. Opdyke *FCT* 1975, **14**).Skin sensitiser. Effects reduced when applied to skin in combination with eugenol and d-limonene. IFRA recommends that cinnamon oil should not be used as a fragrance ingredient at a level of over 0.2% in the final product. Due to its sensitising potential. (International Fragrance Association 1992 Code of Practice: Latest Amendments June 1992. International Fragrance Association, Geneva.

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
 CHIP: See section 15

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

HAZARDS: Harmful
 SYMBOLS: Xn
 RISK PHRASES: R21: Harmful in contact with skin
 R43 May cause sensitisation by skin contact.
 SAFETY PHRASES: S36/37 Wear suitable protective clothing and clothes
 S24 Avoid contact with skin

16. OTHER INFORMATION:**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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