

# MATERIAL SAFETY DATA SHEET.

## 1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

Product name: **Camphor Oil White**

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 by steam distillation of the wood of the Camphor Tree *Cinnamomum camphora* Sieb. (Fam. *Lauraceae*) grown in China, followed by fractionation of the oil. White Camphor oil is the first distillation fraction.

H-No: 3301.2961

CAS No: 8008-51-3

Status: natural

CoE No: 130

FEMA: 2231

Additives: none

FDA: 172.510

IFRA: not restricted

Application:

RIFM: monograph

EINECS: 994-760-2

RTECS:

INCI name: Cinnamomum Camphora

FCCIV: no

## 3. HAZARDS IDENTIFICATION:

Marine pollutant.

R10 Flammable liquid

## 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

Use CO<sub>2</sub>, Dry Powder or Foam 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 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, or 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 Liquid
Appearance:	Mobile liquid
Odour:	Characteristic, cineol like
Flash-point °C:	47
Specific Gravity @ 20°C:	0.873 to 0.918
Refractive index @ 20°C:	1.462 to 1.47
Solubility in 95% Ethanol @ 20°C:	1+1 clear
Solubility in vegetable oils:	Soluble
Solubility in water:	Insoluble
Cineol content w/w:	35% min

## **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.**

Found to be non-irritating & non-sensitising; oral-rat: 5.1mg/kg: see D.L.J. Opdyke "Fragrance Raw Material Monographs: Camphor Oil White" (1973) FCT, **11**, 1047. N.B. The white fraction of Camphor oil does not normally contain safrole, unlike the brown and yellow fractions. In the "list of substances that may not be used as ingredients in cosmetics" that appendix II to the council directive 76/768 (27.71976EEC) safrole is banned except for the normal concentration in natural oil used and provided that the concentration does not exceed 100ppm in finished products and 50ppm in products for dental and oral use, provided that the safrole is not present in toothpaste intended specifically for children.

## **12. ECOLOGICAL INFORMATION.**

BIODEGRADABILITY: Data not available  
PRECAUTIONS: Prevent surface contamination of soil, ground & surface water.

## **13. DISPOSAL CONSIDERATIONS.**

Dispose of according to local regulations.  
Avoid disposing to drainage systems and into the environment.

## **14. TRANSPORT REGULATIONS.**

Road (ADR/RID): Class 3 item 31/c  
AIR (IATA): PACKING GROUP III  
SEA (IMDG): 0000

## **15. REGULATORY INFORMATION.**

HAZARDS: Marine pollutant  
SYMBOLS:  
RISK PHRASES: R10 Flammable liquid  
SAFETY PHRASES:

## **16. OTHER INFORMATION.**

UN 1169 : applies

### **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.

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.