

# MATERIAL SAFETY DATA SHEET.

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

PRODUCT NAME: **Lemongrass Oil**

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

Telephone +44 (0)1603 610883

## 2. COMPOSITION / INFORMATION ON INGREDIENTS.

DEFINITION/BOTANICAL ORIGIN: Lemongrass oil Cochin is the volatile oil obtained by steam distillation of *Cymbopogon schoenanthus*. ( Nees ex steud.) W. Wats., grown & distilled in India. The "Cochin" oil is the "Indian" type which also includes Lemongrass oils from Cambodia, Singapore & Sri Lanka.

H-No: 3301.29.610

CAS No: 8007-02-01

Status: natural

CoE No: 38

FEMA: 2624

Additives: none

FDA: §182.20

IFRA: not restricted

Application:

RIFM: monograph

EINECS: 289-754-1

RTECS:

INCI name: Cymbopogon Schoenanthus

FCCIV: official

## 3. HAZARDS IDENTIFICATION:

Concentrated product. Do not ingest. Observe good housekeeping procedures.

## 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 CO<sub>2</sub>, 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: Remove all potential ignition sources. Contain spilled material. Cover

FOR SPILLAGES: 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: Pale to brownish-yellow

APPEARANCE: Mobile liquid

ODOUR: Heavy lemon-like odour

FLASH-POINT °C: 71

SPECIFIC GRAVITY @ 20°C: 0.8550-0.9050

REFRACTIVE INDEX @ 20°C: 1.4830-1.4890

SOLUBILITY IN 70% ETHANOL @ 20°C: 1+3

## **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 LD50 >5g/kg. E.I. and W.I. Lemongrass oils have been found non-irritant, non-sensitising & non-phototoxic: Opdyke, D.J. (1976), FCT, 14, 455 & 457

## **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: n/a  
SYMBOLS: n/a  
RISK PHRASES: n/a  
SAFETY PHRASES: n/a

#### **16. OTHER INFORMATION.**

##### **PACKAGING:**

| <b>Type</b>             | <b>Suitability</b> |
|-------------------------|--------------------|
| 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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