

MATERIAL SAFETY DATA SHEET LEMONGRASS OIL

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Lemongrass Oil
Botanical name : Cymbopogon
FEMA : 2624
INCI name : Cymbopogon flexosous
CAS # : 91844-92-7,
Country of Origin : India
EINECS # : 289-752-0
Product use : Domestic and Industrial

2. HAZARDS IDENTIFICATION

Emergency Overview

WHMIS Classification

B3 Combustible Liquid.
D2B Toxic Material Causing Moderate eye irritant.
: Other Toxic Effects Moderate respiratory irritant.
: Moderate skin irritant.

GHS Classification

Skin Sensitisation Category 1
Skin Corrosion/Irritation - Category 2
Aquatic hazard Acute - Category 2.

GHS Label elements, including precautionary statements

Signal : Warning

Hazard statement(s)

H317 : May cause an allergic skin reaction.
H315 : Causes skin irritation
H401 : Toxic to aquatic life



Precautionary statement(s)

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P273 : Avoid release to the environment.

HMIS Classification & Potential Health Effects

Skin

May be harmful if absorbed through skin. Causes skin irritation.

Eyes : May cause eye irritation.

Ingestion

Harmful if swallowed

3. COMPOSITION / INFORMATION INGREDIENTS

Product Name : Lemongrass Oil

Citral 70% - 75%

4. FIRST AID MEASURES

Eye contact

Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

Skin contact

Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

Inhalation

If inhaled, removed to fresh air. Get medical attention if symptoms appear.

Ingestion

Seek medical attention or contact local poison control center.

5. FIRE FIGHTING MEASURES



Suitable extinguishing media

Foam. Dry Powder. Carbon dioxide.

Unsuitable extinguishing media

Water spray, water jet.

Special protective equipment and precautions for fire-fighters

Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or its combustible products

Hazardous decomposition products may be formed at extreme heat or if burned.

Resulting gases

Carbon oxides.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures.

Equip clean crew with proper protection. Respiratory protection equipment may be necessary.

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

Methods and materials for containment and cleaning up

Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.



7. HANDLING AND STORAGE

Precautions for safe handling

No direct lighting. No smoking. Ensure prompt removal from eyes, skin and clothing. Wash hands

and other exposed areas with mild soap and water before eating, drinking or smoking and when

leaving work. Handle in accordance with good industrial hygiene and safety procedures.

Conditions for safe storage, including any incompatibilities

Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations.

Keep container closed when not in use.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes

Use tightly sealed goggles.

Skin

If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.

Respiratory

In case of insufficient ventilation, wear suitable respiratory equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Pale yellow to light reddish brown liquid.



Odor : Fresh grassy-lemon odor.

Flash point : 71 °C.

Relative density : 0.890 - 0.905

Solubility (ies) : soluble in 2 to 2.5 vol of alcohol. Insoluble in water.

Refractive index : 1.4800 - 1.4890 @ 20°C.

Optical rotation : -4° to +3.00°

10. STABILITY AND REACTIVITY

Reactivity

This material presents no significant reactivity hazard.

Chemical stability

Chemically stable.

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to avoid

Avoid sparks, flame and other heat sources.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Carbon Oxides.

11. TOXICOLOGICAL INFORMATION



IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Inhalation

Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.

Skin contact

Adverse skin effects should be prevented by normal care and personal hygiene.

Eye contact

Possible irritation should be prevented by wearing safety glasses.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Avoid any pollution of ground, surface or underground water.

Persistence and degradability

Not available.

Bio - accumulative potential

Not available.



Mobility in soil

Not available.

13. DISPOSAL CONSIDERATION

Dispose of product in accordance with local, state or provincial and federal regulations. Check with

local municipal authority to ensure compliance.

14. TRANSPORT INFORMATION

US DOT Shipping Description (Land)

UN Number : 3082, Class-9, Group-III

Proper shipping name

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S
(Contains Cymbopogon flexuosus, oi)

Class

9

Packaging group

III

IMO-IMDG Shipping Description (Sea)

UN Number : 3082, Class-9, Group-III

IATA Shipping Description (Air)

UN Number : 3082, Class-9, Group-III

15. REGULATORY INFORMATION



WHMIS Classification

B3, D2B

California Proposition 65

Contains substance identified in the revised list of the California Safe Cosmetic program SB 484 (included in Proposition 65 revised list): -Contains Myrcene.

GHS Hazard Statements

See section 2.

GHS Precautionary Statements

See section 2.

16. OTHER INFORMATION

Revision date : 04.01.2018

