# SAFETY DATA SHEET (SDS)

Version 2.0
Revision Date : June 2,2021
Print Date : July 13, 2021

## 1. PRODUCT AND COMPANY IDENTIFICATION

| | | |
|---|---|---|
| Product name | : | Lemongrass Essential Oil - Verified By ECOCERT /Cosmos Approved |
| Botanical name | : | Cymbopogon flexuosus |
| INCI name | : | Cymbopogon Flexuosus Herb Oil |
| CAS # | : | 8007-02-1 /91844-92-7 |
| Country of Origin | : | India |
| EINECS # | : | 281-161-9 |
| Product use | : | Domestic and Industrial |
| Supplier | : | New Directions Aromatics Inc. |
| Address | : | 6781 Columbus Road, Mississauga, Ontario, CANADA L5T 2G9 |
| Fax | : | 905-362-1926 |
| Telephone number | : | 905-362-1915 |
| Emergency phone number | : | (613)-996-6666 CANUTEC 24 HOUR EMERGENCY |

## 2. HAZARDS IDENTIFICATION

**Emergency Overview**

**GHS Classification**

Flammable liquids - Category 4

Skin corrosion/irritation - Category 2

Skin Sensitization - Category 1

Serious eye damage/eye irritation - Category 2A

Hazardous to the aquatic environment — Chronic Hazard - Category 3

### GHS Label elements, including precautionary statements

Signal: Warning

**Hazard statement(s)**

| | |
|---|---|
| H227 | Combustible liquid. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H412 | Harmful to aquatic life with long-lasting effects. |

**Precautionary statement(s)**

| | |
|---|---|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P261 | Avoid breathing dust/fumes/gas/mist/vapours/spray. |
| P264 | Wash skin thoroughly after handling. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P302+P352 | IF ON SKIN: Wash with plenty of water. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. |
| P321 | Specific treatment (see section 4 on the SDS). |
| P333+P313 | If skin irritation or a rash occurs: Get medical advice/attention. |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. |
| P362 | Take off contaminated clothing. |
| P363 | Wash contaminated clothing before reuse. |
| P370+P378 | In case of fire: Use appropriate fire extinguisher to extinguish. |
| P391 | Collect spillage. |
| P403+P235 | Store in a well ventilated place. Keep cool. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container according to local regulations. |

## 3. COMPOSITION / INFORMATION INGREDIENTS

| Product Name | CAS NO | EC NO | Concentration |
|---|---|---|---|
| Cymbopogon Flexuosus Herb Oil | 91844-92-7 | 289-754-1 | 100 % |

## 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 pale green liquid. |
| Odor | : | Characteristic citral odor. |
| Flash point | : | 71 °C |
| Relative density | : | 0.8900 to 0.904 0 @ 25 °C |
| Solubility (ies) | : | Insoluble in water. |
| Refractive index | : | 1.480 to 1.489 @ 25 °C |
| Optical rotation | : | -5.0° to +1.0° @ 25 °C |

## 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

### Acute toxicity

Lemongrass Oil:
LD50 Oral - 2885 mg/kg.

### 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.

### Signs & symptoms of exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### Inhalation

May cause respiratory irritation.

### 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

**UN Number**

3082

**UN proper shipping name**

Environmentally hazardous substance, liquid, n.o.s. (Lemongrass oil)

**Transport hazard class**

9

**Packing group**

III

**US DOT Shipping Description (Land)**

3082

**Proper shipping name**

Environmentally hazardous substance, liquid, n.o.s. (Lemongrass oil)

**Class**

9

**Packaging group**

III

**IMO-IMDG Shipping Description (Sea)**

3082

**Class**

9

**Packaging group**

III

**IMDG-Marine pollution**

Yes.

**IATA Shipping Description (Air)**

3082

**Proper shipping name**

Environmentally hazardous substance, liquid, n.o.s. (Lemongrass oil)

**Class**

9

**Packaging group**

III

## 15. REGULATORY INFORMATION

**California Proposition 65**

This Product can expose you to beta myrcene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

**GHS Hazard Statements**

See section 2.

**GHS Precautionary Statements**

See section 2.

## 16. OTHER INFORMATION

Revision date : June 2,2021

**Disclaimer & Caution**

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