

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Lemongrass Verbena Fragrance Oil
Country of Origin	:	China
Product use	:	Fragrance
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 Liquid - Category 4

Acute Toxicity, oral- Category 4

Skin corrosion/irritation- Category 2

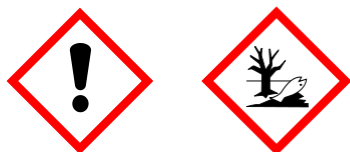
Skin Sensitization - Category 1

Eye Irritation - Category 2A

Hazardous to the aquatic environment - Acute Category 1

Hazardous to the aquatic environment, long-term hazard - Category 2

### GHS Label elements, including precautionary statements



Signal: Warning

### Hazard statement(s)

H227	Combustible Liquid.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H411	Toxic 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 hands 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.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor/if you feel unwell.
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 this label).
P330	Rinse mouth.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use appropriate fire extinguisher to extinguish.
P391	Collect spillage.
P403	Store in a well ventilated place.
P501	Dispose of contents/container according to local regulations.

### 3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Citral	5392-40-5	-	10 - 30 %
Benzyl benzoate	120-51-4	-	10 - 30 %
Limonene	5989-27-5	-	3 - 10 %

#### NOTE:

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret is required.

### 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

Use alcohol resistant foam, carbon dioxide, dry chemical, or water spray when fighting fires. Water or foam

may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the fire.

#### **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**

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#### **Personal precautions, protective equipment and emergency procedures.**

Protective gloves should be worn when handling spillages. Ensure adequate ventilation in working areas following accidental release.

#### **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**

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#### **Precautions for safe handling**

Avoid contact with skin and eyes. Wear adequate protective gloves protection and eye/face protection. No smoking. Avoid any sources of ignition. Avoid exposing to high temperature during processing. Do not ingest or apply to the skin as such. Good personal washing routines should be followed. Keep strict control of dust accumulation to a minimum. Maintain adequate local and general ventilation where product is handled.

#### **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**

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#### **Exposure controls**

Avoid exposure to high temperatures during processing. Maintain adequate ventilation when handling the product.

#### **Eyes**

Wear chemical resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield. Do not wear contact lenses. Have an eye wash station available.

#### **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.

#### **Ingestion**

Not for ingestion.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance	:	Light yellow to yellow liquid.
Odor	:	Characteristic odor.
Flash point	:	78.2°C
Relative density	:	0.964 - 0.984 @ 25°C
Solubility (ies)	:	Insoluble in water.
Refractive index	:	1.5012 - 1.5212 @ 20°C

## 10. STABILITY AND REACTIVITY

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### Reactivity

This material presents no significant reactivity hazard.

### Chemical stability

Stable under normal conditions.

### Possibility of hazardous reactions

Hazardous polymerization will not occur.

### Conditions to avoid

Avoid temperatures above or at least 5 °C below flash point. Avoid sparks, flame and other heat sources.

### Incompatible materials

Strong oxidizing agents.

### Hazardous decomposition products

Carbon Oxides.

## 11. TOXICOLOGICAL INFORMATION

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### Chronic toxicity

May cause allergic reactions on skin.

### Respiratory or skin sensitization

Upon prolonged and/or repeated exposure, can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache.

### Inhalation

Undiluted product could be intoxicating and irritating if overexposed.

### Skin contact

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

### Eye contact

Undiluted product could be irritating.

### Ingestion

Undiluted product could be irritating to the mouth and upper digestive tract.

### Skin corrosion

Prolonged exposure to undiluted product could be irritating.

## 12. ECOLOGICAL INFORMATION

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### Ecotoxicity

Prevent contamination of soil, ground and surface water.

### Persistence and degradability

Not available.

**Bio - accumulative potential**

Not available.

**Mobility in soil**

Not available.

**Other adverse effects**

Not available.

**13. DISPOSAL CONSIDERATION**

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Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance.

**14. TRANSPORT INFORMATION**

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**UN Number**

3082

**UN proper shipping name**

Environmentally hazardous substance, liquid, n.o.s. (Benzyl benzoate)

**Transport hazard class**

9

**Packing group**

III

**US DOT Shipping Description (Land)**

3082

**Proper shipping name**

Environmentally hazardous substance, liquid, n.o.s. (Benzyl benzoate)

**Class**

9

**Packaging group**

III

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

3082

**Proper shipping name**

Environmentally hazardous substance, liquid, n.o.s. (Benzyl benzoate)

**Class**

9

**Packaging group**

III

**IMO-IMDG code**

3082

**IMDG-Marine pollution**

Yes.

**IATA Shipping Description (Air)**

3082

**Proper shipping name**

Environmentally hazardous substance, liquid, n.o.s. (Benzyl benzoate)

**Class**

9

**Packaging group**

III

**Emergency action in case of accident**

Notify police and fire department immediately

**15. REGULATORY INFORMATION**

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**California Proposition 65**

It does not contain any contaminants or by products known to the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 .

**GHS Hazard Statements**

Please refer to section 2.

**GHS Precautionary Statements**

Please refer to section 2.

**16. OTHER INFORMATION**

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**Disclaimer & Caution**

Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. New Directions Aromatics Inc. provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. As the ordinary or otherwise use(s) of this product is outside the control of New Directions Aromatics Inc., no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. The liability of New Directions Aromatics Inc. is limited to the value of the goods and does not include any consequential loss. New Directions Aromatics Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. New Directions Aromatics Inc. shall not be responsible for any damages resulting from use of or reliance upon this information. In the event of any dispute, the Customer hereby agree that Jurisdiction is limited to the province of Ontario, Canada.