

# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name: LEMONGRASS OIL  
CAS number: 91844-92-7  
EC (EINECS) no: 295-161-9  
Chemical Name: Definition: volatile oil obtained by steam distillation from the dried Lemon Grass, Cymbopogon flexuosus, Poaceae.  
Trade names: INCI: Cymbopogon flexosus Oil  
Company name: Freshskin Beauty Ltd  
Company address: Unit 4 Balloon Woods Ind est  
Nottingham  
Ng9 3gj  
Telephone number: 0115 9284493 Office hours are 9-4 weekdays only.

## 2. HAZARDS IDENTIFICATION

Classification (1999/45) Xi; R36/38. R43. N; R518/53.  
Classification (EC 1272/2008)  
Physical and chemical hazards: not classified.  
Human Health: Skin Irrit.2-H315; Eye Irrit. 2-H319; Skin Sens.1-H317  
Environmental: Aquatic Chronic 2-H411  
Label in accordance with (EC) No. 1272.2008



Signal Word Warning  
Contains Citral  
Geraniol  
Limonene

Hazard Statements H315, causes skin irritation.  
H317, may cause an allergic skin reaction.  
H319, causes serious eye irritation.  
H411, toxic to aquatic life with long lasting effects.

Precautionary Statements  
P273, avoid release to the environment.  
P280, wear protective gloves/protective eye protection/face protection.  
P305+351+338, IF IN THE EYES rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P313, IF exposed or concerned get medical attention/advice.

Supplementary Precautionary Statements  
P261, avoid breathing dust/fume/gas/mist/vapours/spray.  
P264, wash thoroughly after handling.  
P272, contaminated work clothing should not be allowed out of the workplace.  
P302/352, IF ON SKIN: wash with plenty of soap and water.  
P321, specific treatment  
P332+313, if skin irritation occurs seek medical advice.  
P333+313, if skin irritation or rash occurs get medical advice.  
P362, take off contaminated clothing and wash before reuse.  
P363, wash contaminated clothing before reuse.  
P391, collect spillage.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Citral** 60-100%  
CAS-No: 5392-40-5 Ec no: 226-394-6  
Classification (67/548)  
Skin irrit. 2-H315 R43  
Skin Sens 1-H317 Xi; R38

**Geraniol** 5-10%  
CAS-No: 106-24-1 Ec no: 203-377-1  
Classification (67/548)  
Skin Irrit.2-H315 Xi; R38,R41  
Eye Dam. 1-H318 R43  
Skin Sens 1-H317

**Limonene** 1-5%  
CAS No: 138-86-3 Ec no: 205-341-0  
Classification (67/548)  
Flam. Liq 3-H226 Xn; R65  
Skin Irrit. 2-H315 Xi; R38  
Skins Sens. 1-H317 N; R50/53  
Asp. Tox. 1-H304 R10, R43  
Aquatic Acute 1-H400  
Aquatic Chronic 1-H410

**Methylheptenone Isomers** 1-5%  
CAS-No: 409-02-9 Ec no: 206-990-2  
Classification (67/548)  
Flam Liq 3-H226 Xi; R36  
Eye Irrit. 2-H319 R10

EC No: 295-161-9  
CAS No: 91844-92-7

### 4. FIRST AID MEASURE

#### GENERAL INFORMATION

Remove affected person from source of contamination. Perform artificial respiration if breathing has stopped.

#### NOTES TO PHYSICIAN

No specific first aid measures noted.

#### INHALATION

Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air at once. Get medical attention if discomfort continues.

#### INGESTION

If necessary, rinse the mouth and provide fresh air. Get medical attention if any discomfort continues.

#### SKIN CONTACT

If necessary remove contaminated clothing and wash skin with soap and water. Get medical attention if discomfort continues.

#### EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

### 5. FIRE FIGHTING EXTINGUISHING MEASURES

#### EXTINGUISHING MEDIA

Fire can be extinguished using foam, carbon dioxide or dry powder.

#### SPECIAL FIRE FIGHTING PROCEDURES.

Containers close to fire should be removed or cooled with water.

#### UNUSUAL FIRE AND EXPLOSION HAZARDS.

No unusual fire or explosion hazards noted.

#### SPECIFIC HAZARDS

When heated and in case of fire, toxic vapours/gases may be formed.

#### PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

### 6. ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

use protective gloves, goggles and suitable protective clothing. In case of spills, beware of slippery floors and surfaces.

#### ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground.

#### SPILL CLEAN UP METHODS

Absorb with inert, damp, non-combustible material, then flush area with water. Shovel into dry containers. Cover and move the containers. Flush the area with water.

### 7. HANDLING & STORAGE MEASURES

#### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Ensure adequate ventilation of the working area. Adopt best manual handling considerations when handling, carrying and dispensing.

#### STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, spark and open flame. Protect from freezing and direct sun light.

#### STORAGE CLASS

Unspecified storage.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### PROTECTIVE EQUIPMENT:



#### ENGINEERING MEASURES

Provide adequate ventilation.

#### RESPIRATORY EQUIPMENT

No specific recommendation made.

#### HAND PROTECTION

Protective gloves should be used if there is a risk of direct contact or splash.

#### EYE PROTECTION

If risk of splashing, wear safety goggles or face shield.

#### OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

## HYGIENE MEASURES

No specific hygiene procedures noted, but good personal hygiene practices are always advisable.

## SKIN PROTECTION

Wear apron or appropriate clothing in case of splashes.

## 9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	Mobile liquid
Colour	Pale yellow to Brown
Odour	Characteristic
Relative density	0.869-0.904 @ 20 °C
Flash point (°C)	71
Refractive index	1.478-1.500 @ 20 °C

## 10. STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions.

### CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

### HAZARDOUS POLYMERISATION

Will not polymerise.

### MATERIALS TO AVOID

Strong oxidising substances. Strong acids. Strong alkalis.

### HAZARDOUS DECOMPOSITION PRODUCTS

In case of fire, toxic gases (CO, CO<sub>2</sub>, Nox) may be formed.

## 11. TOXICOLOGICAL INFORMATION

### TOXICOLOGICAL INFORMATION

See section 2

### GENERAL INFORMATION

No specific health warnings noted.

### INHALATION

In high concentrations, vapours may irritate throat and respiratory system and cause coughing.

### INGESTION

No specific health warnings noted. No harmful effects expected in amounts likely to be ingested by accident.

### SKIN CONTACT

No specific health warnings noted.

### EYE CONTACT

Spray and vapour in the eyes may cause irritation and smarting.

### HEALTH WARNINGS

No specific health warnings noted.

### MEDICAL SYMPTOMS

No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

### MEDICAL CONSIDERATIONS

Persons with rash are directed to skin expert for examination of allergic eczema.

## 12. ECOLOGICAL INFORMATION

### ECOTOXICITY

Refer to section 2

## 13. DISPOSAL CONSIDERATIONS

### GENERAL INFORMATION

Waste is suitable for incineration.

### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

## 14. TRANSPORT INFORMATION



PROPER SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (LIMONENE)
UN NO ROAD	3082
ADR CLASS NO	9
ADR CLASS	Class 9: Miscellaneous dangerous substances and articles.
ADR PACK GROUP	III
TUNNEL RESTRICTION CODE (E)	
HAZARD NO (ADR)	90
ADR LABEL NO	9
HAZCHEM CODE	3Z
UN NO SEA	3082
IMDG CLASS	9
IMDG PACK GR	III
EMC	F-A, S-F
UN NO AIR	3082
AIR CLASS	9
AIR PACK GR	III

## 15. REGULATORY INFORMATION

### EU DIRECTIVES

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/105/EC and 2000/21/EC, including amendments.

### STATUTORY INSTRUMENTS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I.2009 No 716)

### APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

### GUIDANCE NOTES

Workplace exposure Limits EH40.

## 16. OTHER INFORMATION

### GENERAL INFORMATION

Shelf life 36 months.

### RISK PHRASES IN FULL

R10 Flammable

R22 Harmful if swallowed

R38 Irritating to skin

R40 Limited evidence of carcinogenic effect.

R43 May cause sensitisation by skin contact

R50/53 Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

R51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

R65 Harmful, may cause lung damage if swallowed.

R68 Possible risk of irreversible effects.

#### HAZARD STATEMENTS IN FULL

H266 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H341 Suspected of causing genetic defects.

H351 Suspected of causing cancer.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

#### **DISCLAIMER:**

this information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.