

# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY

**Trade Name:** Lemon Oil  
**Material Supplier:** Ellisons  
**Address:** 43 Bayton Road Exhall Coventry CV7 9EF  
**Tel:** 02476361619  
**Fax:** 0247664410  
**Email:** www.ellisons.co.uk

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

<b>Trade Name:</b>	Lemon Oil	<b>Inci Name:</b>	Citrus limonum
<b>Cas No:</b>	8008-56-8	<b>Einecs No:</b>	284-515-8
<b>Status:</b>	Essential Oil	<b>Application:</b>	Cosmetics/skin care/aromatherapy

**Description:**  
The volatile oil is obtained by the expression of lemon peel.

## 3. HAZARDS IDENTIFICATION

R10 Flammable

## 4. FIRST AID MEASURES

INHALATION:	Remove from exposure site to fresh air. Keep at rest. Seek Medical Advice.
EYE CONTACT:	Rinse immediately with plenty of water for at least 15 minutes. See medical advise if symptoms persist.
SKIN CONTACT:	Remove contaminated clothes. Wash thoroughly with soap and water, flush with plenty of water. If irritation persists, seek medical advice.
INGESTION:	Rinse mouth out with water. Seek medical advice <b>immediately</b> .
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 and direct contact with skin, eyes and clothes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.
ENVIRONMENT PRECAUTIONS:	Keep away from drains, soils, surface and groundwaters.
CLEANING UP METHODS FOR SPILLAGES:	Remove all potential ignition sources. Contain spilled material. Cover with an inert or non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Clean with hot water and detergents. Observe state, federal and local disposal regulations.

## **7. HANDLING & STORAGE**

### **PRECAUTIONS IN HANDLING:**

### **STORAGE CONDITIONS:**

### **FIRE PROTECTION:**

Apply good manufacturing practice & industrial hygiene practices. Observe good personal hygiene, and do not eat, drink or smoke whilst handling. Avoid static discharges.

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  
Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **RESPIRATORY PROTECTION:**

### **HAND PROTECTION:**

### **EYE PROTECTION:**

### **WORK/HYGIENE PRACTICES:**

Avoid breathing product vapour. Apply local ventilation where possible.

Avoid all skin contact. Use chemically resistant gloves if required.

Use safety glasses.

Wash hands with soap & water after handling

## **9. PHYSICAL & CHEMICAL PROPERTIES**

### **COLOUR:**

### **APPEARANCE:**

### **ODOUR:**

### **REFRACTIVE INDEX @ 20°C:**

### **SPECIFIC GRAVITY @ 20°C:**

### **FLASH POINT:**

Pale yellow to greenish yellow

Mobile liquid

Characteristic of fresh lemon peel

1.465 – 1.485

0.850 – 0.858

45 – 53°C

## **10. STABILITY & REACTIVITY**

### **REACTIVITY:**

### **DECOMPOSITION:**

It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidising agents.

Liable to cause smoke and acid fumes during combustion; carbon monoxide, carbon dioxide and other non –identified organic compounds may be formed.

## **11. TOXICOLOGICAL INFORMATION**

Irritation/sensitation – nil at 10% (human) and nil as 100%. 1/2000 dermatitis patients were sensitive to lemon oil.

## **12. ECOLOGICAL INFORMATION**

### **BIODEGRADABILITY:**

### **PRECAUTIONS:**

Data not available.

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**

### **CUSTOMS TARIFF CODE:**

### **UN1993:**

### **ROAD (ADR/RID):**

### **AIR (IATA):**

### **SEA (IMDG):**

### **CHIP:**

Applies

Class 3 item 31/c RID No 301; ADR RN N/2301

Class 3 Packaging Group III

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See section 15

## **15. REGULATORY INFORMATION**

### **HAZARDS:**

### **SYMBOLS:**

### **RISK PHRASES:**

### **SAFETY PHRASES:**

According to Directive 88/379/EEC

R10 Flammable Liquid

S16 Keep away from sources of ignition: No Smoking

## **16. OTHER INFORMATION**

Cosmetics Directive 7<sup>th</sup> Amendment: Restrictions may apply. A source of Citral, Geraniol, Limonene and Linalool listed as sensitisers. Check maximum usage levels for skin care products.

SHELF LIFE:

36 Months

PACKAGING:

<b>Type</b>	<b>Suitability</b>
Glass	Yes
Lacquer lined steel/tin	Yes
Aluminium	Yes
HPPE	No
F/HDPE	Yes
Other plastic	No

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