





## SAFETY DATA SHEET

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

Product Name		Lemon essential oil			
Biological Definition		Oil cold pressed from peel of lemon			
Inci No		Citrus Limonum Peel Oil			
Synonyms & Trade names		Lemon oil			
Normal use		Cosmetics, Flavour and Fragrance			
Supplier		SCATTERS OILS (PTY) LTD, 147 MALIBONGWE, DRIVE, STRYDOM PARK – JHB, 011 792 2902, <a href="http://www.scattersoils.com">www.scattersoils.com</a> Emergency contact: Mr Koos Strydom Tel: 0027 (0) 11 792 2902 / 0027 (0) 792 4451 Cell/Mobile: 0027 (0) 82 570 6002			
Reach Registration Number		N/A			
Hs Tariff Code		3301.13.8			
<b>FEMA No.</b>	2625	<b>FDA No.</b>	19555298040	<b>Class No.</b>	3
<b>CAS-No.</b>	<b>84929-31-7</b>	<b>UN No.</b>	1993 Flammable Liquids N.O. S	<b>EINEC No.</b>	284-515-8

### 02. HAZARDS IDENTIFICATION

Classification (1999/45)	Xi+F, R10-R36-S02-S16-S26
Classification (EC 1272/2008)	UN GHS: FL3, H303, H315, H317 EC CLP: FL3, H303, H315, H317
Labels in accordance with (EC) No 1272/2008	    <p>GHS07      GHS08      GHS09      GH03</p>
Signal Word	Flammable Liquids
Contains	Limonene, Gamma terpinene, Sabinene, Beta pinene
Hazard Statements	H304 May be fatal if swallowed and enters H315 Causes skin irritation H317 May cause an allergic skin reaction
Precautionary Statements	P301/310 IF SWALLOWED: Immediately call poison centre or doctor/ physician P331 Do not induce vomiting P262 Do not get in eye, on skin or clothing

Adverse physio-chemical properties	Combustible but not self-ignite
Adverse effects on human health	Can cause skin and eye irritation

### 03. COMPOSITION/INFORMATION ON INGREDIENTS

NAME	CAS	EINECS	%	GHS CLASSIFICATION(EC1272/2008)
LIMONENE	5989-27-5/5989-54-8/138-86-3	227-813-5	65.95 – 75.99	H226 - Flammable liquid and vapor [Warning Flammable liquids] H304 - May be fatal if swallowed and enters airways [Danger Aspiration hazard] H315- Causes skin irritation [Warning Skin corrosion/irritation] H317 - May cause an allergic skin reaction [Warning Sensitization, Skin] H400 - Very toxic to aquatic life [Warning Hazardous to the aquatic environment, acute hazard] H410 - Very toxic to aquatic life with long lasting effects [Warning Hazardous to the aquatic environment, long-term hazard]
GAMMA TERPINENE	99-86-5	202-795-1	7.16 - 9.82	H226 -Flammable liquid and vapor [Warning Flammable liquids] H304 - May be fatal if swallowed and enters airways [Danger Aspiration hazard]
SABINENE	78-70-6	202-794-6	6.6 – 13.00	H226 - Flammable liquid and vapor [Warning Flammable liquids] H304 - May be fatal if swallowed and enters airways [Danger Aspiration hazard] H315 - Causes skin irritation [Warning Skin corrosion/irritation] H319 - Causes serious eye irritation [Warning Serious eye damage/eye irritation] H335 - May cause respiratory irritation [Warning Specific target organ toxicity, single exposure; Respiratory tract irritation]
BETA PINENE	5392-40-5 (106-26-3+141-27-5)	226-394-6		
				H226 - Flammable liquid and vapor [Warning Flammable liquids] H304 - May be fatal if swallowed and enters airways

				<p>[Danger Aspiration hazard]  H315 - Causes skin irritation  [Warning Skin corrosion/irritation]  H317 - May cause an allergic skin reaction [Warning Sensitization, Skin]  H400 - Very toxic to aquatic life [Warning Hazardous to the aquatic environment, acute hazard]  H410 - Very toxic to aquatic life with long lasting effects [Warning Hazardous to the aquatic environment, long-term hazard]</p>
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#### **04. FIRST AID MEASURES**

General Information	See categories below
Inhaling	Move into an open-air space
Ingestion	Wash Mouth with water and obtain medical advice immediately
Skin Contact	Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.
Eye contact	Flush with plenty amount of water and seek medical advice if necessary.

#### **05. FIRE FIGHTING MEASURES**

Extinguishing Media	Use CO <sub>2</sub> Dry powder or foam type extinguishers. Do not use direct water jet on burning material
Special Fire Fighting Procedures	Wear protective clothing, avoid inhaling of vapours
Specific Hazards	None
Protective Measures in Fire	Closed containers may build up pressure when exposed to heat and they should be cooled





#### **06. ACCIDENTAL RELEASE MEASURES**

Personal Precautions	Maintain good occupational and personal hygiene. Avoid contact with skin
Environmental Precautions	Do not discharge directly into drains or soil. Keep away from surface and ground water
Spill Clean Up Methods	Soak up spillage with sand or other inert material. Transfer soaked material to suitable waste container and dispose according to prevailing regulations

#### **07. HANDLING AND STORAGE**

Usage Precautions	Apply good manufacturing practice & industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene and do not eat, drink or smoke while handling.
Storage Precautions	Store in tight closed original container, in cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to minimum.

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

Protective Equipment	   
Engineering Measures	Ensure good ventilation of working area
Respiratory Equipment	As required. Avoid breathing product vapour.
Hand Protection	Avoid all skin contact. Use chemically resistant gloves if required
Eye Protection	Use safety glasses
Other Protection	As required
Hygiene Measures	Wash hands with soap & water after handling

### **09. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	Mobile liquid
Colour	Clear pale yellow to greenish
Odour	Sweet Citrus aroma
Flash point	50°C
Specific gravity	0.850 - 0.858 @20°C
Refractive index	1.473 - 1.476 @20°C
Optical rotation	+57° - +70°
Boiling Point	187°C
Melting point, Ph, vapour pressure	Data not found
Solubility in water	Not soluble

### **10. STABILITY AND REACTIVITY**

Stability	It presents no significant reactivity hazards, by it self or in contact with water Avoid storage at high temperature
Condition to avoid	
Materials to avoid	Avoid contact with strong acids, and oxidising agents
Hazardous Decomposition products	Liable to cause smoke & acrid fumes combustion: carbon monoxide, carbon dioxide
Stability	Stable

### **11. TOXOLOGICAL INFORMATION**

Acute Toxicity	Acute oral toxicity Acute dermal toxicity: slightly irritating undiluted
Skin irritation & Aspiration hazard	Category 2 under EC 1272/2008
Serious eye damage/ irritation	Potential exists. Wear goggles.
Respiratory or skin sensitisation	Skin sensitizer Category 1 under EC 1272/2006
Photo-toxicity	Not photo toxic pp 705-706

## 12. ECOLOGICAL INFORMATION


Ecotoxicity	Hazardous to the aquatic environment Chronic hazard category 2 according to EC 1272/2008
Mobility	Not determined
Persistence and degradability	Not determined
Bioaccumulation potential	Not determined
PBT Assessment	Not determined
Precautions	Avoid discharge into the environment especially into land, waterways and sea

## 13. DISPOSAL CONSIDERATIONS

Disposal Methods	Avoid discharge into the environment especially onto land, waterways and sea
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## 14. TRANSPORT INFORMATION

Warning icon	
Proper Shipping Name	Flammable Liquids N.O.S (Contains alpha Thujene, alpha pinene, sabinene, beta pinene, myrcene, paracymene and limonene)
UN No. Road transport (ADR)	UN 1993
Proper shipping name	Flammable Liquids
Hazardous class	Class 3
Packaging group	III
UN No. Sea transport (IMDG)	UN 1993
Proper shipping name	Flammable Liquids
Hazardous class	Class 3
Packaging group	III
UN No. Air transport (IATA)	UN 1993
Proper shipping name	Flammable Liquids
Hazardous class	Class 3
Packaging group	III
EMS	F-E, S-D
Hazchem code	3YE

Environmental Hazards	
Dangerous for the environment	Yes
Marine pollutant	Yes (Contains beta pinene and limonene)
Hazard pictogram	

#### 15. REGULATORY INFORMATION

Statutory Instruments	The chemicals (Hazard information and packaging for Supply Regulation 2009 (SI 2009 NO 716)
Approved codes of practice	Classification and labelling of substances and preparations dangerous for supply. Safety data sheet for substance and preparations

#### 16. OTHER INFORMATION

Revision Date	06/2022
Risk phrases	Harmful to lungs Skin sensitivity
Other	Complies with REACH guidance for SDS

DISCLAIMER: As the users' conditions of work are not known, the information contained in this Safety Data Sheet is accurate to the best of our knowledge and is based on the national community regulation. The product must not be employed for uses other than those specified in item 1 with our having previously obtained written handling instructions. Users are responsible for taking all measures necessary to comply with the requirements of the law and local regulations. The information contained in this sheet should be regarded as the description of the safety requirements relating to our product and not as a guarantee of its properties.

SCATTERS