





Safety Data Sheet

01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

Product Name	Lemon oil				
Biological Definition	The volatile oil obtained by cold-pressing the peels of the fruits of <i>Citrus limon</i> (L.) Burm. (Fam. Rutaceae)				
INCI Name	Citrus Limon Peel Oil				
Synonyms & Trade Names	Lemon oil expressed				
Supplier	Freshskin Beauty Ltd Unit 4 Balloon Woods Ind Est Nottingham NG9 3GJ . Emergency Tel No: 07846174876				
Reach Registration Number <small>(According to EU Reg 1907/2006)</small>	N/A				
FEMA No.	2625	FDA No.	§182.20	CoE No.	139
CAS-No	8008-56-8	EC No.	284-515-8	EINECS No.	284-515-8

02. HAZARDS IDENTIFICATION

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Classification (1999/45)	Xn+N; R10-38-43-51/53-65, S24-37-61-62
-GHS: Classification (EC 1272/2008)	UN-GHS: FL 3, AH 1, SCI 2, SS 1, EH A2,C2 EU-CLP: FL 3, AH 1, SCI 2, SS 1, EH A2,C2
Label in accordance with (EC) No 1272/2008	<div style="display: flex; justify-content: space-around; align-items: center;">     </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> GHS02 GHS07 GHS08 GHS09 </div>
Signal Word	Danger
Contains	Limonene, pinenes, gamma-terpinene, citral, myrcene
Hazard Statements	H226 Flammable liquid and vapour H304 May be fatal if swallowed and enters airways H315 Causes skin irritation H317 May cause an allergic skin reaction H411 Toxic to aquatic life with long-lasting effects
Precautionary Statements	P262 Do not get in eyes, on skin or on clothing P280 Wear protective gloves/protective clothing/eye protection/face protection. P273 Avoid release to the environment P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331 Do NOT induce vomiting
Supplementary Precautionary Statements	P391 Collect spillage
PBT or vPvB according to Annex XIII	No
Adverse physio-chemical properties	Combustible but will not ordinarily self-ignite
Adverse effects on human health	Skin contact can cause sensitisation.

03. COMPOSITION/INFORMATION ON INGREDIENTS

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68% Limonene UN-GHS: SCI 2; SS 1; EH A1,C1
13% Pinenes UN-GHS: ATO 5(3700), SCI 2, SS 1
8.5% gamma-Terpinene UN-GHS: ATO 5(3850); SCI 3
2% Citral UN-GHS: ATO 5(4950); ATD 5(2250); SCI 2; SS 1; EH A2
1.6% Myrcene UN-GHS: EDI 2A, SCI 2
0.2% beta-Caryophyllene UN-GHS: SCI 3

04. FIRST AID MEASURES

General Information	See categories below
Inhalation	Remove from exposure area to fresh air. Contact a doctor if necessary.
Ingestion	Wash mouth out 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 of water and seek medical advice if necessary.

05. FIRE-FIGHTING MEASURES

Extinguishing Media	Use CO ₂ , Dry Powder or Foam type extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.
Special Fire Fighting Procedures	Wear protective clothing. Avoid inhalation of vapours.
Specific Hazards	None
Protective Measures in Fire	Closed containers may build up pressure when exposed to heat and should be cooled with water spray

06. ACCIDENTAL RELEASE MEASURES



Personal Precautions	Maintain good occupational and personal hygiene. Avoid contact with skin and eyes
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

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Usage Precautions	Apply good manufacturing practice & industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.
Storage Precautions	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.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment	<div style="display: flex; justify-content: space-around; align-items: center;">   </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> Goggles Gloves </div>
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	Colourless to yellow
Odour	Characteristic, that of fresh lemon peel
Relative Density	0.846 to 0.856 @ 20°C
Flash Point (°C)	43 c/c
Refractive Index	1.472 to 1.478 @ 20°C
Melting Point (°C)	Not given
Boiling Point (°C)	176 @ 760 mm Hg
Vapour Pressure	218.8 Pa @ 25°C
Solubility in Water @20 °C	Negligible
Auto-ignition temperature (°C)	Not determined

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10. STABILITY AND REACTIVITY

Stability	It presents no significant reactivity hazards, by itself or in contact with water.
Conditions to Avoid	Avoid storage temperatures above 25°C
Materials to Avoid	Avoid contact with strong acids, alkalis and oxidising agents.
Hazardous Decomposition Products	Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

11. TOXOLOGICAL INFORMATION

Acute Toxicity	Acute oral toxicity: LD50 orl rat >2840 mg/kg (NIOSH 1975) Dermal toxicity: LD ₅₀ skn rbt >5000.00 mg/kg FCTXAV 12,725 (1974)
Skin corrosion / irritation	Skin irritation skn-rbt 500.00 mg/24hours moderate FCTXAV 12,725 (1974) Hazard Category 2 under EC 1272/2008 guidelines
Serious eye damage / irritation	Not classified under EC 1272/2008 guidelines.
Respiratory or skin sensitisation	Skin sensitiser Hazard Category 1 under EC 1272/2008 guidelines
Germ Cell Mutagenicity	The mutagenicity and photomutagenicity of the mixtures of coumarins and furocoumarins in lemon oil have not been assessed.
Carcinogenicity	Not listed by as a known carcinogen by IARC, UN NTP, Calif Prop 65, US EPA and TRIC.
Reproductive toxicity	Not listed under Calif. Prop 65, or by US TRI as a developmental toxin
STOT-single exposure	No data found
STOT-repeated exposure	No data found
Aspiration hazard	Aspiration Hazard Category 1 under EC 1272/2008 guidelines.
Photo-toxicity	The phototoxicity elicited by cold-pressed lemon oil has been associated with naturally occurring and furocoumarins & coumarins. Two of these furocoumarins, 5-methoxypsoralen and oxypeucedanin, are the probable phototoxins but the concentration of these furocoumarins have been found to vary significantly with growing conditions
Other Information	None

12. ECOLOGICAL INFORMATION

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Ecotoxicity	Listed as Acute aquatic hazard Category 2 & Chronic aquatic hazard long-term Category 2 Under EC 1272/2008
Mobility	No data found
Persistence & Biodegradability	No data found
Bioaccumulation Potential	No data found
PBT Assessment Results	No data found
Precautions	Avoid discharge into the environment, especially into waterways, sewers and the sea.

13. DISPOSAL CONSIDERATIONS

Disposal Methods	Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company.
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14. TRANSPORT INFORMATION

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Warning Icon	
Proper Shipping Name	EXTRACTS, AROMATIC, LIQUID
UN No. Road	UN 1169
ADR Class	Class 3
Hazard No (ADR)	30
Hazchem Code	3YE
UN No. SEA	UN 1169
IMDG Class	Class 3
IMDG Pack Gr.	Pk Gp III
EMS	F-E, S-D
UN No. AIR	UN 1169
Air Class	Class 3
Air Pack Gr.	Pk Gp III

15. REGULATORY INFORMATION

EU Directives	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 th Dec 2006 Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation Council Regulation (EEC) No793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, and 93/105/EEC 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. Safety Data Sheets for Substances and Preparations
Guidance Notes	Workplace Exposure Limits EH40. CHIP for everyone HSG 108.

16. OTHER INFORMATION

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Revision Date	04/2015
Rev No/Repl, SDS Generated	1
Risk Phrases in Full	R10 Flammable R38 Irritating to skin R43 May cause sensitisation by skin contact R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment R65 Harmful may cause lung damage if swallowed.
Hazard Statements in Full	H226 Flammable liquid and vapour H304 May be fatal if swallowed and enters airways H315 Causes skin irritation H317 May cause an allergic skin reaction H411 Toxic to aquatic life with long-lasting effects.
Other Information	Complies with REACH guidance for SDS as circulated by ECHA 2011.

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.