




01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING					
Product Name	Lemon Essential Oil				
Biological Definition	Citrus Limon Peel Oil is the volatile oil obtained by cold compression of the fresh peel of the Lemon, Citrus limon (L.), Rutaceae.				
INCI Name	Citrus Limon Peel Oil				
Botanical name	Citrus Limonum				
Country of Origin	Italy				
Product use	Domestic and Industrial				
Synonyms & Trade Names	-----				
Supplier	West Coast Aromatics, LLCs 2701 Conestoga Dr Unit# 105 Carson City NV 89706 Nevada, USA Tel: +1-909-547-0862				
Emergency phone number	24 hours emergency telephone number (CHEMTREC): 800-424-9300				
Reach Registration Number <small>(According to EU Reg 1907/2006)</small>	N/A				
FEMA No.	2625	CoE No.r	N/A	CFR No	21CFR182.2
CAS No.	8008-56-8 / 84929-31-7	EINECS No	84929-31-7	EINECS CAS No.	284-515-8
02. HAZARDS IDENTIFICATION					
Classification (1999/45)	N/A				
GHS: Classification (EC 1272/2008)	N/A				
Labe in accordance with (EC) No1272/2008 Labe in accordance with (US) Labe in accordance with (CA)	 <p>GHS02 GHS07 GHS08 GHS09</p>				
Signal Word	Danger				
Contains	Limonene, beta-Pinene				
Hazard Statements	H226 Flammable liquid and vapor H304 May be fatal if swallowed and enters airways H315 Causes skin irritation H317 May cause an allergic skin reaction H411 Very toxic to aquatic life with long lasting effects				
Precautionary Statements	P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking P241 Use explosion-proof electrical/ventilating/lighting/equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P261 Avoid breathing dust/fumes/gas/mist/vapors/spray. 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+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. P331 Do NOT induce vomiting. P333+P313 If skin irritation or a rash occurs: Get medical advice/attention. P337+P313 If eye irritation persists get medical advice/attention. P370 In case of fire: Use extinguishing media listed in Section 5 of the SDS to extinguish.				



	P402+P404 Store in a dry place. Store in a closed container. P501 Dispose of contents and container in accordance with local, regional, national and/or international regulation for hazardous wastes.
Supplementary Precautionary Statements	---
PBT or vPvB according to Annex XIII	No.
Adverse physio-chemical properties	Combustible but will not self-ignite
Adverse effects on human health	Causes skin irritation

03. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT CONTRIBUTING TO THE HAZARD	CONTENT
Limonene CAS-No: 5989-27-5; EC No.: 227-813-5 Classification (EC 1272/2008) Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	~ 66.0%
β-Pinene CAS No: 127-91-3 ; EC No: 20-872-5 Classification (EC 1272/2008) Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Skin Irrit. 2 - H315, Skin Sens. 1 - H317	~ 13.0%
γ-Terpinene (p-mentha-1,4-diene) CAS No99-85-4 ; EC No: 202-794-6 Classification (EC 1272/2008) Flam. Liq. 3 – H226, Asp Tox. 1 –H304 ;	~ 9.0%
Citral CAS No: 5392-40-5 ; EC No: 226-394-6 Classification (EC 1272/2008) Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1 - H317	~ 3.0%
α-Pinene CAS No: 80-56-8 ; EC No: 201-291-9 Classification (EC 1272/2008) Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Sens.1, H317; Aquatic Acute 1, Aquatic Chronic 1, H410	~ 2.5%
Sabinene CAS No: 3387-41-5 ; EC No: 222-212-4 Classification (EC 1272/2008) Flammable Liq. Cat 3, H226	~ 1.5%
Myrcene CAS No: 123-35-3; EC No: 204-622-5 Classification (EC 1272/2008) Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Aquatic Chronic 3 - H412	~ 1.5%

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 vapors. Use breathing apparatus with independent air supply
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

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.
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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	  Goggles Gloves
Engineering Measures	Ensure good ventilation of working area.
Respiratory Equipment	As required. Avoid breathing product vapor.
Hand Protection	Avoid all skin contact. Wear chemical resistant gloves (PVC) tested to EN374.
Eye Protection	Use safety glasses.
Other Protection	As required
Hygiene Measures	Wash hands with soap & water after handling
09. PHYSICAL AND CHEMICAL PROPERTIES	
Appearance	Liquid, yellow to light greenish.
Color	Yellow to light greenish.
Odor	Characteristic – citrus, lemon.
Relative Density	0.846 – 0.856 @ 20°C
Flash Point (°C)	49 c/c
Refractive Index	1.472 to 1.478 @ 20°C
Melting Point (°C)	N/A
Boiling Point (°C)	~ 170°C ± 10°C @ 1026hPa
Vapor Pressure	186.4 Pa @25°C
Solubility in Water@20°C	Insoluble in water. Soluble in alcohol and other oils.
Optical Rotation	Data not available
Auto ignition temperature (°C)	~ 235.0
10. STABILITY AND REACTIVITY	
Stability	Complies with REACH guidance for SDS as circulated by ECHA 2011. It presents no significant reactivity hazards, by itself or in contact with water.
Conditions to Avoid	Avoid storage temperatures above (25°C) - (77°F) for prolonged periods in hot areas and in containers pervious to direct light.
Material to Avoid	Avoid contact with strong acids, alkalis and oxidizing 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	LD50: 5000mg/kg bw (oral: rat) LD50: 10000 mg/kg bw (Dermal: rabbit) (source CSR)
Skin corrosion / irritation	Causes skin irritation (H315).
Serious eye damage / irritation	Not classified as irritating to the eye (source CSR)
Respiratory or skin sensitization	May cause an allergic skin reaction (H317).
Germ Cell Mutagenicity	Negative. (Source CSR).
Carcinogenicity	Not tested (source CSR).
Reproductive toxicity	No additional data available.
STOT single exposure	No additional data available.
STOT repeated exposure	No additional data available.



Aspiration hazard	May be fatal if swallowed and enters airways (H304).
Photo toxicity	No additional data available.
Other Information	No additional data available.
12. ECOLOGICAL INFORMATION	
Ecotoxicity	Hazardous to the aquatic environment: Acute category 2, Chronic category 3
Mobility	No data found
Persistence & Biodegradability	To be considered as readily biodegradable based on its ready biodegradability. Oil does not fulfil the criteria for persistence.
Bioaccumulation Potential	H410 very toxic to aquatic life with long lasting effects.
PBT Assessment Results	No data found
Precautions	Do not discharge into the environment especially into watercourses.
13. DISPOSAL CONSIDERATIONS	
Disposal Methods	Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company.
14. TRANSPORT INFORMATION	
Warning Icon	Not applicable
Proper Shipping Name	Extracts, aromatic, liquid
UN No. Road	1169
ADR Class	Not regulated
Hazard No (ADR)	Not regulated under ADR
Hazchem Code	Not applicable
UN No. SEA	1169
IMDG Class	Not regulated
IMDG Pack Gr.	III
EMS	Not regulated
UN No. AIR	1169
Air Class	3
Air Pack Gr.	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, Authorization 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.
US Federal Regulations	Listed on the United States TSCA (Toxic Substances Control Act) inventory
California Proposition 65	This product can expose you to myrcene, which is known to the State of California to cause cancer. For more information, go to www.p65warnings.ca.gov
CANADA Regulations	Listed on the Canadian DSL (Domestic Substances List)
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.



<p>NFPA Rating</p> 	HMIS Rating	
	HEALTH	1
	FLAMMABILITY	2
	PHYSICAL HAZARD	0
	PERSONAL PROTECTION	-

16. OTHER INFORMATION	
Revision Date	10/23
Rev No/Repl, SDS Generated	6
Risk Phrases in Full	R38 Irritating to skin R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Hazard Statements in Full	H226, Flammable liquid and vapor. H304, May be fatal if swallowed and enters airways. H315, Causes skin irritation. H317, May cause an allergic skin reaction. H410, Very toxic to aquatic life with long lasting effects.
Other Information	Complies with REACH guidance for SDS as circulated by ECHA 2011.

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