






01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING					
Product Name	Tangerine Essential Oil				
Biological Definition	The volatile oil produced by cold expression from the rind of the ripe tangerine fruit <i>Citrus reticulata</i> .				
INCI Name	Citrus reticulata peel oil				
Botanical name	Citrus reticulata blanco var tangerine				
Country of Origin	Italy				
Product use	Domestic and Industrial				
Synonyms & Trade Names	Tangerine peel oil				
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.	3041	CAS EINECS No.	84929-38-4	CoE No.r	143
CAS No.	8008-31-9	EINECS No	284-521-02	Mol No.	C20H32
02. HAZARDS IDENTIFICATION					
Classification (1999/45)	Xn+N; R10-38-43-50/53-65, S24-37-61-62				
GHS: Classification (EC 1272/2008)	UN-GHS: FL 3, AH 1, SCI 2, SS 1, EH A1, C1				
Labe in accordance with (EC) No1272/2008 Labe in accordance with (US) Labe in accordance with (CA)	 GHS02 GHS07 GHS08 GHS09				
Signal Word	Danger				
Contains	Pinenes, gamma-terpinene, myrcene, limonene				
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 H410 Very toxic to aquatic life with long-lasting effects				
Precautionary Statements	P262 Do not get in eyes on skin or on clothing P273 Avoid release to the environment P280 Wear protective gloves/protective clothing/eye protection/face protection. 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 additional data available.				
Adverse physio-chemical properties	Combustible but will not self-ignite				
Adverse effects on human health	Can cause irritation/sensitization of skin & eyes.				
03. COMPOSITION/INFORMATION ON INGREDIENTS					
INGREDIENT CONTRIBUTING TO THE HAZARD					CONTENT
Limònène	UN-GHS: SCI 2, SS 1, EH A1, C1				~ 92 %
Myrcene	UN-GHS: EDI 2A, SCI 2				~ 2 %
Gamma-Terpinene	UN-GHS: ATO 5(3850); SCI 3				~ 2 %
Pinenes	ATO 5(3700), SCI 2, SS 1				~ 1 %
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	In case of fire formation of dangerous gases possible.
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.
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. 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
Color	Pale yellow to amber
Odor	Fresh rich fruity tangerine notes
Relative Density	0.841 to 0.851 @ 20°C
Flash Point (°C)	48 c/c
Refractive Index	1.471 to 1.483 @ 20°C
Melting Point (°C)	Not determined
Boiling Point (°C)	178 @ 760 mm Hg
Vapor Pressure	Not determined
Solubility in Water@20°C	105.5 mg/L @ 25°C (est.)
Optical Rotation	+88° to +96° @ 20°C
Auto ignition temperature (°C)	Data not available
10. STABILITY AND REACTIVITY	
Stability	Complies with REACH guidance for SDS as circulated by ECHA 2011.
Conditions to Avoid	Avoid storage temperatures above 25°C
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	Acute oral toxicity: LD50 oral-rat > 5000 mg/kg (CA Aromatics Company Inc.)
Skin corrosion / irritation	Acute dermal toxicity skin-rabbit LD50 skin-rabbit > 5000 mg/kg (CA Aromatics Company Inc.)
Serious eye damage / irritation	Category 2 according to GHS & CLP following EU 1272/2008
Respiratory or skin sensitization	Potential exists. Wear eye/face protection whilst handling.
Germ Cell Mutagenicity	Skin sensitizer Category 1 according to GHS & CLP following EU 1272/200
Carcinogenicity	Data not found
Reproductive toxicity	The oil contains no known carcinogens. Limonene (the main component) displays anti- carcinogenic activity.
STOT single exposure	Data not found
STOT repeated exposure	Data not found
Aspiration hazard	Data not found
Photo toxicity	Category 1 according to GHS & CLP following EU 1272/2008
Other Information	None
12. ECOLOGICAL INFORMATION	
Ecotoxicity	No weight of evidence data available
Mobility	Data not found
Persistence & Biodegradability	Data not found
Bioaccumulation Potential	Data not found
PBT Assessment Results	Data not found
Precautions	Avoid discharge into the environment especially into waterways.



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.
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14. TRANSPORT INFORMATION

Warning Icon	 
Proper Shipping Name	EXTRACTS, AROMATIC, LIQUID
UN No. Road	UN 1169
ADR Class	Class 3
Hazard No (ADR)	30
Hazchem Code	ADR hazard number •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, 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 eugenyl methyl ether, myrcene, and safrole, 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.

NFPA Rating



HMIS Rating

HEALTH	1
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	-



16. OTHER INFORMATION	
Revision Date	09/23
Rev No/Repl, SDS Generated	3
Risk Phrases in Full	R10 Flammable. R38 Irritating to skin. R43 May cause sensitization by skin contact. R50/53 Very 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 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 effect
Other Information	Complies with REACH guidance for SDS as circulated by ECHA 2011.

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