




01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING					
Product Name	<b>Geranium Egyptian Essential Oil</b>				
Biological Definition	The volatile oil is obtained by the steam distillation of the N. African chemotype of the flowering herb <i>Pelargonium graveolens</i> l'Heritier ex Aiton.				
INCI Name	Pelargonium graveolens flower oil				
Botanical name	Pelargonium Graveolens				
Country of Origin	Egypt				
Product use	Domestic and Industrial				
Synonyms & Trade Names	Geranium oil N. African				
Supplier	West Coast Aromatics, LLCs 2701 Conestoga Dr Unit# 106 Carson City NV 89706 Nevada, USA Tel:+1-775-387-3000				
Emergency phone number	<b>24 hours emergency telephone number (CHEMTREC) : 800-424-9300</b>				
Reach Registration Number <small>(According to EU Reg 1907/2006)</small>	N/A				
FEMA Number	2508	CAS EINECS	N/A	CoE Number	324
CAS Number	8000-46-2	EC Number	290-140-0	EINECS Number	290-140-0
02. HAZARDS IDENTIFICATION					
Classification (1999/45)	Xn; R38-41-43-52/53-65, S24-26-37-39-61-62				
GHS: Classification (EC 1272/2008)	UN-GHS: FL 4, ATO 5(4000), AH 1, SCI 2, EDI 1, SS 1, EH A2,C3 EU-CLP: AH 1, SCI 2, EDI 1, SS 1				
Labe in accordance with (EC) No1272/2008 Labe in accordance with (US) Labe in accordance with (CA)	 <p style="text-align: center;">GHS05      GHS07      GHS08</p>				
Signal Word	Danger				
Contains	Citronellol, geraniol, menthones, linalool, pinenes, citral, limonene.				
Hazard Statements	H304 May be fatal if swallowed and enters airways H315 Causes skin irritation H317 May cause an allergic skin reaction H318 Causes serious eye damage				
Precautionary Statements	P262 Do not get in eyes, on skin or on clothing 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 P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.				
Supplementary Precautionary Statements	No additional data available.				
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	Repeated or prolonged skin contact may cause sensitization.				



**03. COMPOSITION/INFORMATION ON INGREDIENTS**

INGREDIENT CONTRIBUTING TO THE HAZARD	CONTENT
<b>Citronellol (CAS: 106-22-9)</b> UN-GHS: ATO 5(3450); ATD 5(2650); SCI 2; SS 1; EH A2	~ 32 %
<b>Geraniol (CAS: 106-24-1)</b> UN-GHS: ATO 5(4200); SCI 2; EDI 1; SS 1; EH A2	~ 16 %
<b>Menthones (CAS: 14073-97-3)</b> UN-GHS: ATO 5(2500); SCI 3; EH A3,C3	~ 8 %
<b>Linalool (CAS: 78-70-6)</b> UN-GHS: ATO 5(3000), EDI 2A, EH A3, SCI 2	~ 5 %
<b>Pinenes (CAS: 80-56-8 &amp; 127-91-3)</b> UN-GHS: ATO 5(3700), SCI 2, SS 1	~ 1 %
<b>Citral (CAS: 5392-40-5)</b> UN-GHS: ATO 5(4950); ATD 5(2250); SCI 2; SS 1; EH A2	~ 0.5 %

**04. FIRST AID MEASURES**

<b>General Information</b>	See categories below
<b>Inhalation</b>	Remove from exposure area to fresh air. Contact a doctor if necessary.
<b>Ingestion</b>	Wash mouth out with water and obtain medical advice immediately.
<b>Skin Contact</b>	Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.
<b>Eye Contact</b>	Flush with plenty of water and seek medical advice if necessary.

**05. FIRE-FIGHTING MEASURES**

<b>Extinguishing Media</b>	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.
<b>Special Fire Fighting Procedures</b>	Wear protective clothing. Avoid inhalation of vapors. Use breathing apparatus with independent air supply
<b>Specific Hazards</b>	None.
<b>Protective Measures in Fire</b>	Closed containers may build up pressure when exposed to heat and should be cooled with water spray

**06. ACCIDENTAL RELEASE MEASURES**



<b>Personal Precautions</b>	Maintain good occupational and personal hygiene. Avoid contact with skin and eyes
<b>Environmental Precautions</b>	Do not discharge directly into drains or soil. Keep away from surface and ground water
<b>Spill Clean Up Methods</b>	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**

<b>Usage Precautions</b>	Apply good manufacturing practice & industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.
<b>Storage Precautions</b>	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	Liquid
Color	Light to deep yellow-green
Odor	Rose-like with minty top note
Relative Density	0.844 to 0.901 @ 20°C
Flash Point (°C)	82 c/c
Refractive Index	1.463 to 1.473 @ 20°C
Melting Point (°C)	Not available
Boiling Point (°C)	250-258°C(lit.)
Vapor Pressure	Not given
Solubility in Water@20°C	Negligible
Optical Rotation	-14 to -6 @ 20°C
Auto ignition temperature (°C)	Not determined

**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
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 orl-rat : >5g /kg. Opdyke D.L.J. (1975) <i>FCT</i> <b>13</b> , 451 & <i>FCT</i> (1976) <b>14</b> , 781. Acute Dermal toxicity LD50 skn-rbt: > 5g /Kg Opdyke D.L.J.(1975) <i>FCT</i> 13, 451 & <i>FCT</i> (1976) 14, 781.
Skin corrosion / irritation	Skin corrosion/irritation Category 2 according UN-GHS & CLP following to EC 1272/2008.
Serious eye damage / irritation	Serious Eye Damage/Irritation Category 2A according to UN-GHS & CLP following EC 1272/2008.
Respiratory or skin sensitization	Skin Sensitizer Category 1 according to UN-GHS & CLP following EC 1272/2008.
Germ Cell Mutagenicity	Not listed as a mutagen
Carcinogenicity	Not listed as a carcinogen
Reproductive toxicity	No data found
STOT single exposure	No data found
STOT repeated exposure	No data found
Aspiration hazard	Hazard Category 1 under EC 1272/2008 guidelines
Photo toxicity	Not photo-toxic
Other Information	None

**12. ECOLOGICAL INFORMATION**

Ecotoxicity	Harmful to the aquatic environment.
Mobility	Not determined
Persistence & Biodegradability	Not determined
Bioaccumulation Potential	Not determined
PBT Assessment Results	No data found
Precautions	Do not discharge into the environment especially into waterways and the sea.


**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	None designated
Proper Shipping Name	EXTRACTS, AROMATIC, LIQUID (not viscous), ENVIRONMENTALLY HAZARDOUS
UN No. Road	UN 1169
ADR Class	Class 3
Hazard No (ADR)	30
Hazchem Code	3Y
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 <sup>th</sup> 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>								
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 	<b>HMIS Rating</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #0070C0; color: white;">HEALTH</td> <td style="background-color: #0070C0; color: white; text-align: right;">1</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">FLAMMABILITY</td> <td style="background-color: #FF0000; color: white; text-align: right;">2</td> </tr> <tr> <td style="background-color: #FFFF00; color: black;">PHYSICAL HAZARD</td> <td style="background-color: #FFFF00; color: black; text-align: right;">0</td> </tr> <tr> <td style="background-color: #FFFFFF; color: black;">PERSONAL PROTECTION</td> <td style="background-color: #FFFFFF; color: black; text-align: right;">-</td> </tr> </table>	HEALTH	1	FLAMMABILITY	2	PHYSICAL HAZARD	0	PERSONAL PROTECTION	-
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FLAMMABILITY	2								
PHYSICAL HAZARD	0								
PERSONAL PROTECTION	-								
16. OTHER INFORMATION									
Revision Date	12/24								
Rev No/Repl, SDS Generated	7								
Risk Phrases in Full Risk Phrases in Full (cont)	R38 Irritating to skin R41 Risk of serious damage to eyes R43 May cause sensitization by skin contact R52/53 Harmful 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	H304 May be fatal if swallowed and enters airways H315 Causes skin irritation H317 May cause an allergic skin reaction H318 Causes serious eye damage								
Other Information	Complies with REACH guidance for SDS as circulated by ECHA 2011.								

**Disclaimer & Caution**

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