



Essential Oils Direct Ltd

Safety Data Sheet

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

1.1 Product Identifier					
Product Name		Valerian Root Oil			
Biological Definition		The essential oil obtained by steam distillation of the root of <i>Valeriana officinalis</i> L.			
INCI Name		Valeriana officinalis root oil			
Synonyms & Trade Names		Valerian rhizome oil, Baldrian Oil			
CAS-No	97927-02-1	EC No.	308-322-6	EINECS No.	308-322-6
1.2 Relative identified uses of the substance or mixture and uses advised against					
Perfumes, fragrances.					
1.3 Details of the supplier of the safety data sheet					
Essential Oils Direct Ltd 13 Parkside Industrial Estate, Royton, Oldham OL2 6DS - Reg No 04199912					
1.4 Emergency Tel. No.		+ 44 (0) 161 633 3952			

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture		
<p>The Full Text for all Hazard Statements displayed in Section 16.</p> <p><u>Human health</u> May be fatal if swallowed and enters airways – H304 May cause an allergic skin reaction – H317 Causes serious eye irritation – H319 Very toxic to aquatic life with long lasting effects – H410</p> <p><u>Environment</u> The product contains a substance which may cause long term adverse effects in the aquatic environment.</p>		
Classification (EC 1272/2008)		
Physical and Chemical Hazards : Not classified. Human health : Asp. Tox. 1 - H304 Skin Sens. 1 H317 Eye Irrit. 2 H319 Environment : Aquatic Chronic 3 - H410		
2.2 Label Elements		
Label in accordance with (EC) No 1272/2008		
GHS07	GHS09	GHS08
Signal Word	Danger	
Contains	Limonene.	

Hazard Statements	
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H411	Very 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
P305/351/338	IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P301/310	IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.
P331	Do NOT induce vomiting
Supplementary Precautionary Statements	
P391	Collect spillage
2.3 Other Hazards	
PBT or vPvB according to Annex XIII	No.
Adverse physio-chemical properties	Combustible but should not self-ignite.
Adverse effects on human health	May cause sensitisation of skin & eyes.

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances	
15.0 – 32.0% CAMPHENE	CAS: 79-92-5, EC: 201-234-8
Classification (EC 1272/2008) Eye Irrit. 2, H319, Aquatic Acute 1, H400, M Acute = 1, Aquatic Chronic 1, H410 M Chronic = 1	
4.0 – 8.0% Alpha-pinene	CAS-No.: 80-56-8 EC No.: 201-291-9
Classification (EC 1272/2008) Asp. Tox. 1, H304, Flam. Liq. 3, H226, Skin Irrit. 2, H315, Skin Sens. 1, H317	
3.0 – 5.0% Beta-Pinene	CAS: 127-91-3, EC: 204-872-5
Classification (EC 1272/2008) Asp. Tox. 1, H304, Flam. Liq. 3, H226, Skin Irrit. 2, H315, Skin Sens. 1, H317	
1.5 – 3.0% 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	

04. FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	Remove immediately from source of exposure into fresh air. Get medical attention if any discomfort continues.
Ingestion	DO NOT INDUCE VOMITING! Immediately rinse mouth and provide fresh air. Get medical attention.
Skin Contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.
Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.

4.2 Most important symptoms and effects, both acute and delayed
Observe risk of aspiration if vomiting occurs.
4.3 Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media
Extinguishing media: Carbon dioxide (CO ₂). Powder. Unsuitable extinguishing media: Full water jet.
5.2 Special hazards arising from the product
B (Fires of liquids or liquid turning substances). In case of fire toxic fumes like carbon monoxide and carbon dioxide may be liberated. Burning produces heavy smoke.
5.3 Advice for firefighters
Move undamaged containers from immediate hazard area if it can be done safely. Use suitable breathing apparatus. Wear suitable equipment for self protection.


06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Wear protective clothing as described in Section 8 of this safety data sheet. Handle the product using protective gloves resistant to the chemicals exposed. Avoid contact with skin, eyes and clothing. Maintain adequate ventilation in the working area after spilling.
6.2 Environmental Precautions
Do not discharge into drains, water courses or onto the ground.
6.3 Methods and material for containment and cleaning up.
Cover with an inert, inorganic, non-combustible absorbent material (e.g dry-lime, sand, soda ash). Place in covered containers using non-sparking tools and transport outdoors. Avoid open flames or sources of ignition. Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations.
6.4 Reference to other sections
Wear protective clothing as described in Section 8 of this safety data sheet.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling
Handle in accordance with good hygiene and safety practice. Provide earthing of containers, equipment, pumps and ventilation facilities. Take precautionary measures against static discharges. Keep away from food, drink and animal feed products. When using do not smoke, drink or eat. Wear suitable clothing to avoid contact with skin, eyes and clothing. Avoid inhalation of product vapours. Provide adequate ventilation of working area.
7.2 Conditions for safe storage, including any incompatibilities
Keep product in its original container well sealed, in a dry, ventilated area, away from potential sources of ignition and protected from light. Stock according to local / national regulations and always follow the precautions indicated on labels.
7.3 Specific end use(s)
No additional data available.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	
No additional data available.	
8.2 Exposure controls	
Protective Equipment	
	
Process Conditions	Provide eyewash station.
Engineering Measures	Provide adequate ventilation.
Respiratory Equipment	For high concentrations use respiratory equipment.
Hand Protection	Chemical resistant gloves (PVC).
Eye Protection	Wear approved safety goggles.
Other Protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection	Avoid contact with skin and eyes. Avoid inhalation of vapours.
Skin Protection	Wear apron or protective clothing in case of splashes.
Environmental Exposure Controls	Avoid discharging into drainage water. Only eliminate by authorised companies.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	Mobile Liquid
Colour	Pale yellow to red/brown
Odour	Characteristic – warm, woody with balsamic undertones.
Relative Density	0.930 - 0.984 @ 20°C
Flash Point (°C)	75
Refractive Index	1.445 - 1.500 @ 20°C
Melting Point (°C)	-21.1
Boiling Point (°C)	270 @760mm Hg
Vapour Pressure	1.13 x 10 ⁻¹¹ mm Hg @ 25°C
Solubility in Water @20°C	Insoluble in water.
Auto-ignition temperature (°C)	No additional data available.
9.2 Other information	
No additional data available.	

10. STABILITY AND REACTIVITY

10.1 Reactivity	
Avoid contact with; strong oxidising agents, strong reducing agents, acids, bases, acid anhydride and alkali metals.	
10.2 Chemical stability	
Stable under the recommended handling and storage conditions.	

10.3 Possible hazardous reactions
No hazardous reactions at proper usage and handling.
10.4 Conditions to Avoid
Temperatures more than room temperature will benefit the transfer from liquid to vapour phase and formation of explosive atmospheres. Storing the product in open containers will benefit the formation of peroxides and derogate the quality.
10.5 Incompatible materials
No additional data available.
10.6 Hazardous Decomposition Products
No dangerous decomposition products known.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	LD50 (oral) in mg/kg: 15000 LD50 (dermal) in mg/kg: > 5000
Skin corrosion / irritation	No additional data available.
Serious eye damage / irritation	No additional data available.
Respiratory or skin sensitisation	No additional data available.
Germ Cell Mutagenicity	No additional data available.
Carcinogenicity	No additional data available.
Reproductive toxicity	No additional data available.
STOT-single exposure	No additional data available.
STOT-repeated exposure	No additional data available.
Aspiration hazard	No additional data available.
Photo-toxicity	No additional data available.
Other Information	No additional data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity	
No additional data available.	
12.2 Persistence & degradability	
No additional data available.	
12.3 Bioaccumulation Potential	
No additional data available.	
12.4 Mobility in soil	
No additional data available.	
12.5 Results of PBT and vPvB Assessment	
No additional data available.	
12.6 Other adverse effects	
Do not allow product to enter streams, sewers or other waterways. Water Hazard Class; WGK-2.	

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	
Collect and dispose of waste product in accordance with local authority guidelines using a hazardous	

chemical disposal company. Product remainders should not intrude soil or waters.

14. TRANSPORT INFORMATION

14.1 UN number

UN No. Road	3082
UN No. SEA	3082
UN No. AIR	3082

14.2 UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S.

14.3 Transport hazard class(es)

ADR/RID/ADN Class: 9
 ADR/RID/ADN Class: 9 - Miscellaneous dangerous substances and articles.
 IMDG Class: 9
 ICAO Class/Division: 9

Transport Labels



14.4 Packing group

ADR/RID/ADN Packing group III
 IMDG Packing group III
 ICAO Packing group III

14.5 Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant



14.6 Special precautions for user

See sections 6-8.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

Packed and transferred according to transport regulations.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006

concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

15.2 Chemical safety assessment

No additional information available.

16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	H304 May be fatal if swallowed and enters airways. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H411 Very toxic to aquatic life with long lasting effects.
Other Information	None
Revision Date	04/03/2016
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