



**AMPHORA AROMATICS  
LIMITED**

**essential oils, skincare & aromatherapy products**

**SAFETY DATA SHEET**

**1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

PRODUCT NAME: **Valerian Root Essential Oil**

SUPPLIER: Amphora Aromatics Limited, Airfield House, Western Drive, Bristol, BS14 0AF

TELEPHONE: +44 (0)117-9087770.

PRODUCT NUMBER: **141**

CAS NUMBER: 97927-02-1

EC NUMBER: 308-322-6

INCI: Valeriana officinalis root oil

IDENTIFIED USES: Suitable for use in cosmetics, fragrances and professional use only.

BIOLOGICAL DEFINITION: The essential oil obtained by steam distillation of the root of Valeriana officinalis L.

**2: HAZARDS IDENTIFICATION**

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

**CLASSIFICATION (EC 1272/2008):**

- PHYSICAL HAZARDS: Flam. Liq. 3- H226
- HEALTH HAZARDS: Skin Corr. 1B- H314  
Skin Sens. 1B- H317  
Eye Dam. 1- H318
- ENVIRONMENTAL HAZARDS: Aquatic Chronic 3- H412

**LABEL ELEMENTS**

PICTOGRAM:



SIGNAL WORD:

HAZARD STATEMENTS:

**DANGER**

- H226 Flammable liquid and vapour.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H412 Harmful to aquatic life with long lasting effects.



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PRECAUTIONARY STATEMENTS:	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P261 Avoid breathing vapours/spray. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P370+P378 In case of fire: Use foam, dry powder or CO2 to extinguish. P501 Dispose of contents in accordance with local, state or national legislation.
SUPPLEMENTARY PRECAUTIONARY STATEMENTS:	P264 Wash hands and exposed skin thoroughly after handling.
CONTAINS:	Isovaleric Acid, 3-Methylvaleric Acid

**3: COMPOSITION/INFORMATION ON INGREDIENTS**

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<b>40.0 – 50.0% Isovaleric Acid</b>	
CAS NUMBER: 503-74-2	EC NUMBER: 207-975-3
CLASSIFICATION (EC 1272/2008):	Skin Corr. 1B - H314

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<b>5.0 – 15.0% 3-Methylvaleric Acid</b>	
CAS NUMBER: 105-43-1	EC NUMBER: 203-297-7
CLASSIFICATION (EC 1272/2008):	Skin Corr. 1B - H314

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<b>1.0 – 5.0% Methyl Isovalerate</b>	
CAS NUMBER: 556-24-1	EC NUMBER: 209-117-3
CLASSIFICATION (EC 1272/2008):	Flam. Liq. 3 - H226

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<b>1.0 – 5.0% beta-Caryophyllene</b>	
CAS NUMBER: 87-44-5	EC NUMBER: 201-746-1
CLASSIFICATION (EC 1272/2008):	Asp. Tox. 1- H304 Skin Sens. 1B- H317 Aquatic Chronic 4 - H413

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<b>1.0– 5.0% beta-Patchoulene</b>	
CAS NUMBER: 514-51-2	EC NUMBER: 208-182-5
CLASSIFICATION (EC 1272/2008):	Skin Irrit. 2- H315 Eye Irrit. 2- H319

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<b>1.0 – 5.0% Ethyl Isovalerate</b>	
CAS NUMBER: 108-64-5	EC NUMBER: 203-602-3
CLASSIFICATION (EC 1272/2008):	Flam. Liq. 3- H226 Skin Irrit. 2- H315

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<b>1.0 – 5.0% Methyl Isovalerate</b>	
CAS NUMBER: 556-24-1	EC NUMBER: 209-117-3
CLASSIFICATION (EC 1272/2008):	Flam. Liq. 3- H226

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SDS: 141 Valerian Root Essential Oil

Compiled by: Johndan Chilcott, Regulatory Affairs - Approved by Woody Evans, Director – Date: 14/09/2020 - Version: 4



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**1.0 – 3.0% alpha-Guaiene**

CAS NUMBER: 3691-12-1

CLASSIFICATION (EC 1272/2008):

EC NUMBER: -

Asp. Tox. 1- H304

Skin Irrit. 2 H315

Eye Irrit. 2- H319

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**<1.0% alpha-Pinene**

CAS NUMBER: 80-56-8

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 201-291-9

Flam. Liq. 3- H226

Acute Tox. 4- H302

Asp. Tox. 1- H304

Skin Irrit. 2- H315

Skin Sens. 1- H317

Aquatic Acute 1- H400

Aquatic Chronic 1- H410

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The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**4: FIRST AID MEASURES**

INHALATION

Remove from exposure area to fresh air. Get medical advice/attention.

INGESTION

Do not induce vomiting. Ingestion may cause nausea and vomiting. Immediately rinse mouth and provide fresh air. Get medical advice/attention.

SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. Get medical advice/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 advice/attention. Continue to rinse.

GENERAL INFORMATION:

No additional data available.

NOTES FOR THE DOCTOR:

Treat symptomatically.

**5: FIREFIGHTING MEASURES**

EXTINGUISHING MEDIA RECOMMENDED:

Foam, dry powder or CO2

UNSUITABLE EXTINGUISHING MEDIA:

Do not use water jet as an extinguisher, as this may scatter and spread fire

SPECIAL HAZARDS ARISING FROM THE PRODUCT:

Thermal decomposition or combustion products may include Carbon dioxide (CO2) and Carbon monoxide (CO).

Exposure to decomposition products may be hazardous to health. Do not breathe in smoke.

EXTINGUISHING PROCEDURES:

Avoid inhalation of generated fumes or vapours. Wear self-contained breathing apparatus and appropriate protective clothing.



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**6: ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS:

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.

ENVIRONMENT PRECAUTIONS:

Do not discharge into drains, water courses or onto the ground.

CLEANING UP METHODS FOR SPILLAGES:

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.

**7: HANDLING AND STORAGE**

USAGE PRECAUTIONS:

Avoid contact with skin, eyes and clothing. Avoid breathing vapours.

STORAGE PRECAUTIONS:

Keep product in its original container well sealed, in a dry, ventilated area, away from potential sources of ignition and protected from light.

**8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

PROTECTIVE EQUIPMENT:



PROCESS CONDITIONS:

Provide eyewash station.

ENGINEERING MEASURES:

Provide adequate ventilation.

RESPIRATORY EQUIPMENT:

Generally unnecessary in a well ventilated area.

HAND PROTECTION:

If ventilation is insufficient, respiratory protection must be worn. Wear suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

EYE PROTECTION:

Avoid contact with eyes.

OTHER PROTECTION:

Wear safety goggles in accordance with standard EN166.

HYGIENE MEASURES:

Wear appropriate clothing to prevent any possibility of skin contact.

PERSONAL PROTECTION:

Good personal hygiene practices are always advisable, especially when working with chemicals / oils.

SKIN PROTECTION:

Avoid contact with skin and eyes. Avoid inhalation of vapours.

ENVIRONMENTAL EXPOSURE CONTROLS:

Wear apron or protective clothing in case of splashes.

Avoid discharging into drainage water. Only eliminate by authorised companies.



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**9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE:	Mobile Liquid
COLOUR:	Slightly yellow to yellow/green to yellow/brown
ODOUR:	Characteristic
RELATIVE DENSITY @20 °C:	0.913 – 0.984
FLASH POINT (°C):	44
REFRACTIVE INDEX @20 °C:	1.470 – 1.510
MELTING POINT (°C):	No additional data available.
BOILING POINT (°C):	No additional data available.
VAPOUR PRESSURE:	No additional data available.
SOLUBILITY IN WATER @20°C:	Insoluble in water.
AUTO-IGNITION TEMPERATURE (°C):	No additional data available.

**10: STABILITY AND REACTIVITY**

REACTIVITY:	Presents no significant reactivity hazards. Stable under normal temperature conditions and recommended use.
CHEMICAL STABILITY:	Stable under the recommended handling and storage conditions.
POSSIBLE HAZARDOUS REACTIONS:	Not expected under normal conditions of use.
CONDITIONS TO AVOID:	Avoid extreme heat and direct sunlight.
INCOMPATIBLE MATERIALS:	Avoid contact with strong acids, alkalis or oxidising agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	Not expected under normal temperature conditions and recommended use. Thermal decomposition may release/form oxides of carbon (carbon monoxide, carbon dioxide) and other toxic gases.

**11: TOXICOLOGICAL INFORMATION**

ACUTE TOXICITY:	Not classified.
SKIN CORROSION / IRRITATION:	Causes severe skin burns and eye damage.
SERIOUS EYE DAMAGE / IRRITATION:	Causes serious eye damage.
RESPIRATORY OR SKIN SENSITISATION:	May cause an allergic skin reaction.
GERM CELL MUTAGENICITY:	Not classified.
CARCINOGENICITY:	Not classified.
REPRODUCTIVE TOXICITY:	Not classified.
STOT-SINGLE EXPOSURE:	Not classified.
STOT-REPEATED EXPOSURE:	Not classified.
ASPIRATION HAZARD:	Not classified.
PHOTO-TOXICITY:	No additional data available.
OTHER INFORMATION:	No additional data available.

**12: ECOLOGICAL INFORMATION**

ECOTOXICITY:	Harmful to aquatic life with long lasting effects.
PERSISTENCE AND DEGRADABILITY:	No additional data available.
BIOACCUMULATIVE POTENTIAL:	No additional data available.
MOBILITY IN SOIL:	No additional data available.
RESULTS OF PBT AND vPvB ASSESSMENT:	No additional data available.
PRECAUTIONS:	Do not allow product to enter streams, sewers or other waterways.



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**13: DISPOSAL CONSIDERATIONS**

DISPOSAL 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**

UN No. ROAD:

UN 1169

UN No. SEA:

UN 1169

UN No. AIR:

UN 1169

PROPER SHIPPING NAME:

EXTRACTS, AROMATIC, LIQUID

**TRANSPORT HAZARD CLASS(ES):**

- ADR/RID/ADN CLASS: 3 Flammable Liquid
- IMDG CLASS: 3 Flammable Liquid
- ICAO CLASS: 3 Flammable Liquid



**PACKING GROUP:**

- ADR/RID/ADN PACKING GROUP: III
- IMDG PACKING GROUP: III
- ICAO PACKING GROUP: III

ENVIRONMENTAL HAZARDS:

Not an environmentally hazardous substance/marine pollutant for transport.

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE:

Packed and transferred according to transport regulations.

**15: REGULATORY INFORMATION**

STATUTORY INSTRUMENTS:

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

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.

GUIDANCE:

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



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**16: OTHER INFORMATION**

HAZARD AND/OR PRECAUTIONARY STATEMENTS IN FULL	H226	Flammable liquid and vapour.
	H302	Harmful if swallowed.
	H304	May be fatal if swallowed and enters airways.
	H314	Causes severe skin burns and eye damage.
	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction.
	H318	Causes serious eye damage.
	H319	Causes serious eye irritation.
	H400	Very toxic to aquatic life.
	H410	Very toxic to aquatic life with long lasting effects.
	H412	Harmful to aquatic life with long lasting effects.
	H413	May cause long lasting harmful effects to aquatic life.

**Q.C. REQUIREMENTS.**

In-line with general product specification. Always satisfy suitability for specific application.  
Retest after 6 months.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.