



SAFETY DATA SHEET (SDS)

Prepared in accordance with the Globally Harmonized System (GHS) and Regulation (EC) No. 1907/2006 (REACH, as amended)

SECTION 1 – IDENTIFICATION

Product Name: Valerian Root Essential Oil

Botanical Name: *Valeriana officinalis* L.

INCI Name: Valeriana Officinalis Root Oil

CAS Number: 8008-88-6

EC Number: 289-802-2

FEMA Number: 2591

Product Type: Natural Essential Oil (Steam Distilled)

Plant Part: Roots and Rhizomes

Origin: Europe

Recommended Use: Professional Perfumery Raw Material

Supplier

Aromology Trading LLC

G05 Al Ghazal Building

Nadd Al Hamar

Dubai, United Arab Emirates

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SECTION 2 – HAZARD IDENTIFICATION

GHS Classification

- Skin Irritation – Category 2
- Skin Sensitisation – Category 1
- Eye Irritation – Category 2A
- Aspiration Hazard – Category 1
- Hazardous to the Aquatic Environment (Chronic) – Category 3

Signal Word

Danger

Hazard Statements



H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

- P261 Avoid breathing vapours.
- P264 Wash thoroughly after handling.
- P273 Avoid release to the environment.
- P280 Wear protective gloves and eye protection.
- P301 + P310 IF SWALLOWED: Immediately call a POISON CENTRE or physician.
- P331 Do NOT induce vomiting.
- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
- P333 + P313 If skin irritation or rash occurs: Get medical advice.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.
- P501 Dispose of contents/container in accordance with local regulations.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Component	Information
Product	Valerian Root Essential Oil
Botanical Name	<i>Valeriana officinalis</i> L.
CAS Number	8008-88-6
EC Number	289-802-2
Purity	100% Natural Essential Oil
Extraction Method	Steam Distillation

Major Naturally Occurring Constituents

- Bornyl acetate
- Valerenal
- Valerenic acid
- Kessyl acetate
- Camphene
- α -Pinene
- β -Pinene



- Limonene
- Caryophyllene
- Myrtenyl acetate

SECTION 4 – FIRST AID MEASURES

Inhalation

Move the affected person to fresh air.

Obtain medical attention if symptoms persist.

Skin Contact

Wash immediately with soap and plenty of water.

Remove contaminated clothing.

Seek medical advice if irritation develops.

Eye Contact

Flush cautiously with clean water for at least 15 minutes.

Seek medical attention if irritation persists.

Ingestion

Do NOT induce vomiting.

Immediately seek medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media

- Carbon dioxide
- Dry chemical
- Alcohol-resistant foam
- Water fog



Unsuitable Media

Direct water jet.

Hazardous Combustion Products

- Carbon monoxide
- Carbon dioxide
- Smoke
- Irritating organic vapours

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Wear appropriate personal protective equipment.

Prevent entry into drains and waterways.

Absorb with sand, vermiculite or other inert absorbent.

Transfer into suitable disposal containers.

Clean contaminated surfaces with detergent.

SECTION 7 – HANDLING AND STORAGE

Use only with adequate ventilation.

Avoid breathing vapours.

Avoid contact with skin and eyes.

Keep container tightly closed.

Protect from direct sunlight and heat.

Recommended storage temperature:

5–25°C

Store in full amber glass or lacquer-lined aluminium containers.



SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Adequate mechanical ventilation.

Eye Protection

Safety goggles.

Hand Protection

Chemical-resistant nitrile gloves.

Respiratory Protection

Normally not required under normal conditions of use.

Use suitable respiratory protection where ventilation is inadequate.

Skin Protection

Protective clothing recommended.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	Mobile liquid
Colour	Pale yellow to amber brown
Odour	Deep earthy, woody, musky, balsamic, rooty, animalic
Relative Density (20 °C)	0.930 – 0.980
Refractive Index (20 °C)	1.480 – 1.510
Flash Point	>65 °C
Solubility	Insoluble in water
Solubility in Alcohol	Soluble

SECTION 10 – STABILITY AND REACTIVITY



Stable under recommended storage conditions.

Avoid

- Strong oxidising agents
- Excessive heat
- Open flames
- Prolonged exposure to air

Hazardous Decomposition Products

- Carbon monoxide
- Carbon dioxide
- Smoke

SECTION 11 – TOXICOLOGICAL INFORMATION

Routes of Exposure

- Skin
- Eyes
- Inhalation

Acute Toxicity

No complete toxicological data available for the whole essential oil.

Skin

May cause irritation and allergic skin reactions in susceptible individuals.

Eyes

May cause irritation.

Inhalation

High vapour concentrations may irritate the respiratory tract.

Ingestion

May present an aspiration hazard if swallowed.



Carcinogenicity

Not classified.

Mutagenicity

No evidence available.

Reproductive Toxicity

No evidence available.

SECTION 12 – ECOLOGICAL INFORMATION

Avoid uncontrolled release into the environment.

Harmful to aquatic organisms with long-lasting effects.

Expected to be biodegradable.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose through an authorised waste contractor.

Do not discharge into drains.

Dispose according to local and national environmental regulations.

SECTION 14 – TRANSPORT INFORMATION

Regulation		Status
UN Number	Not regulated	
ADR/RID	Not regulated	
IMDG	Not regulated	
IATA	Not regulated	

Not classified as dangerous goods for transport.



SECTION 15 – REGULATORY INFORMATION

Prepared in accordance with:

- Globally Harmonized System (GHS Revision 9)
- OSHA Hazard Communication Standard (29 CFR 1910.1200)
- Regulation (EC) No. 1907/2006 (REACH)

SECTION 16 – OTHER INFORMATION

Valerian Root Essential Oil is obtained by steam distillation of the dried roots and rhizomes of *Valeriana officinalis* L. It possesses a rich earthy, woody, balsamic, musky and animalic aroma and is valued in fine perfumery for creating leather, tobacco, moss, woody, chypre and oriental accords. The oil is rich in sesquiterpenes and sesquiterpenoids including bornyl acetate, valerenal and valerenic acid derivatives, which contribute to its distinctive olfactory profile.

This product is intended exclusively for professional fragrance formulation and research applications. It is not intended for direct cosmetic, therapeutic or food use unless appropriately formulated and assessed by the manufacturer.

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