

OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,
Neminath Industrial Estate No.6,
Navghar, Vasai (East), Palghar - 410210.
Maharashtra, INDIA.

Tel: +91 250 2390032 / 2390989 / 2390990

Email: sales@oxfordlabchem.com /
info@oxfordlabchem.com

Web: www.oxfordlabchem.com



Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

OIL OF VALERIAN Extra Pure

MSDS CAS: 8016-38-4

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: OIL OF VALERIAN Extra Pure

CAS#: 8008-88-6

Chemical Name: OIL OF VALERIAN Extra Pure

Chemical Formula: Not available

Synonym: Valerian rhizome oil, Baldrian Oil

Brand : OXFORD

Details Of The Supplier Of The Safety Data Sheet :

Company identification: **OXFORD LAB FINE CHEM LLP**
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,
Navghar, Vasai (East). Palghar - 401 210.
Mumbai, Maharashtra, INDIA.
Tel: 91-250-2390989
Tel/Fax: 91-250-2390032

Section 2: Composition and Information on Ingredients

Substance / Preparation:

SUBSTANCE NAME	CAS NO.	CONTENTS
CAMPHENE	79-92-5	15.0 – 32.0%
Alpha-pinene	80-56-8	4.0 – 8.0%
Beta-Pinene	127-91-3	3.0 – 5.0%
Limonene	5989-27-5	1.5 – 3.0%

Section 3: Hazards Identification

Classification of the substance or mixture

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP):

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

Health hazard: 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

Environmental hazard: The product contains a substance which may cause long term adverse effects in the aquatic environment.

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.

Section 4: First Aid Measures

Description of first aid measures:

Inhalation: Remove immediately from source of exposure into fresh air. Get medical attention if any discomfort continues.

Skin contact: Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

Section 4: First Aid Measures (Continued)

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.

Ingestion: Do not give the patient anything orally. In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Most important symptoms and effects, both acute and delayed:

Symptoms relating to use: Observe risk of aspiration if vomiting occurs.

Indication of any immediate medical attention and special treatment needed:

General information: Treat symptomatically.

Section 5: Fire and Explosion Data

Extinguishing media: Extinguishing media: Carbon dioxide (CO₂). Powder.

Unsuitable extinguishing media: Full water jet.

Special hazards arising from the substance or mixture:

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.

Advice for fire-fighters: Move undamaged containers from immediate hazard area if it can be done safely. Use suitable breathing apparatus. Wear suitable equipment for self-protection.

Section 6: Accidental Release Measures

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.

Section 6: Accidental Release Measures (Continued)

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

Methods and material for containment and cleaning up:

Clean up methods : 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.

Section 7: Handling and Storage

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.

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.

Section 8: Exposure Controls/Personal Protection

Exposure controls:

Personal protection: Avoid all unnecessary exposure.

- **Respiratory protection:** For high concentrations use respiratory equipment.
- **Hand protection:** Chemical resistant gloves (PVC).
- **Skin protection:** Wear suitable protective clothing.
- **Eye protection:** Wear approved safety goggles.
- **Others:** Wear appropriate clothing to prevent any possibility of skin contact. Immediately remove all soiled and contaminated clothing.

Control parameters:

Occupational Exposure Limits: No data available.

Section 9: Physical and Chemical Properties

Physical state and appearance	: Mobile liquid.
Odor	: Characteristic – warm, woody with balsamic undertones.
Taste	: Not available.
Molecular Weight	: Not available.
Color	: Pale yellow to red/brown
pH (1% soln/water)	: Not available.
Boiling Point	: 270 @760mm Hg
Melting Point	: -21.1
Flash point	: 75°C
Critical Temperature	: Not available.
Specific Gravity	: Not available.
Vapor Pressure	: 1.13 x 10 ⁻¹¹ mm Hg @ 25°C
Relative Density	: 0.930 - 0.984 @ 20°C
Volatility	: Not available.
Refractive Index	: 1.445 - 1.500 @ 20°C
Odor Threshold	: Not available.
Water/Oil Dist. Coeff.	: Not available.
Ionicity (in Water)	: Not available.
Dispersion Properties	: Not available.
Solubility	: Insoluble in water.

Section 10: Stability and Reactivity Data

Reactivity: Avoid contact with; strong oxidising agents, strong reducing agents, acids, bases, acid anhydride and alkali metals.

Stability: Stable under the recommended handling and storage conditions.

Instability Temperature: Not available.

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.

Incompatibility with various substances: Not available.

Section 10: Stability and Reactivity Data (Continued)

Materials to avoid: Not available.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Hazardous decomposition products: No dangerous decomposition products known.

Section 11: Toxicological Information

Acute Toxicity:

LD50 (oral) in mg/kg: 15000

LD50 (dermal) in mg/kg: > 5000

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.

Section 12: Ecological Information

Toxicity information: Not available.

BOD5 and COD: Not available.

Persistence - degradability: Not available.

Bioaccumulative potential: Not available.

Toxicity of the Products of Biodegradation: Not available.

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Section 12: Ecological Information (Continued)

Special Remarks on the Products of Biodegradation: Not available.

Results of PBT and vPvB assessment: Not available.

Environmental precautions: Not available.

Section 13: Disposal Considerations

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.

Section 14: Transport Information

Land transport (ADR-RID)

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

UN N° : 3082

ADR - Class : 9

Sea transport (IMDG) [English only]

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

UN N° : 3082

IMO-IMDG - Class or division : 9

IMO-IMDG - Packing group : III

Air transport (ICAO-IATA) [English only]

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

UN N° : 3082

IATA - Class or division : 9

IATA - Packing group : III

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The logo for Oxford Laboratory Chemicals, featuring the word "Oxford" in a stylized, blue, serif font.

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Section 15: Other Regulatory Information

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.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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