

MATERIAL SAFETY DATA SHEET

VALERIAN ROOT OIL

1 Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Trade Name

VALERIAN ROOT OIL

EC Number

232-501-7

EC Name

Valerian, ext.

CAS Number (EC Inventory)

8057-49-6

1.2 Relevant Identified Uses of the Substance

Multiple uses in the Flavour and Fragrance or Mixture and Uses Advised Against industries.

1.3 Details of the Supplier of the Safety Data

G. Baldwin & Co.

173 Walworth Road,

LONDON, ENGLAND. SE17 1RW.

Telephone: +44 (0) 207 703 5550 Fax: +44 (0)207 252 6264

E-mail: info@baldwins.co.uk

Web: www.baldwins.co.uk

1.4. Emergency telephone number

Emergency tel: +44 (0) 207 703 5550
(office hours only)

2 Hazards Identification

2.1 Classification of the Substance:

Classification in Accordance with GHS Hazard Codes:

H227 Combustible liquid.

H304 May be fatal if swallowed and enters airways.

H316 Causes mild skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

Classification in Accordance with the Classification Labelling and Packaging
Regulation EC (No.)

1272/2008:

Hazard Statements:

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements:

P262 Do not get in eyes, on skin or on clothing.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTRE or Doctor.

P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P331 Do NOT induce vomiting.

P391 Collect spillage.

2.2 Label Elements:

Signal Word

DANGER

3 Composition/Information on Ingredients

3.1 Substances

VALERIAN OIL 100%

4 First Aid Measures

4.1 Description of First Aid Measures:

Eye Contact Irrigate the eyes with copious volumes of water for at least 15 minutes with the eye lids held open. Seek medical advice if inflammation persists.

Inhalation Remove person to fresh air, remove any contaminated clothing, in case of breathing difficulty seek medical advice.

Skin Contact Wash affected area with soap and running water, if irritation persists seek medical advice.

Ingestion Dilute internally with water. Do not induce vomiting. Seek medical advice immediately.

4.2 Most Important Symptoms and Effects, both Acute and Delayed

No further information available at this time.

4.3 Indication of Immediate Medical Attention and Special Treatment Needed

Symptomatic treatment as required.

5 Fire-fighting Measures

5.1 Extinguishing Media

Foam, CO₂, dry powder.

5.2 Special Hazards Arising from the Substance or Mixture

Combustion Products: Carbon monoxide, Carbon dioxide, smoke.

5.3 Advice for Firefighters

Do not use water as extinguishing media. No special firefighting equipment needed.

6 Accidental Release Measures

6.1 Personal Precautions, Protective

Equipment and Emergency Procedures

Wear clothing suitable for an emergency.

6.2 Environmental Precautions

Contain the leak with earth or sand. Prevent from entering drains, sewers and water courses. If this cannot be done, advise the local authority.

6.3 Methods and Material for Containment and Cleaning Up

Absorb spillage onto sand or earth. Transfer to a suitable container for disposal.

7 Handling and Storage

7.1 Precautions for Safe Handling

Handle in a well-ventilated area, away from sources of ignition. **DO NOT SMOKE.**

7.2 Conditions for Safe Storage, Including any Incompatibilities

Store in well-fitted, tightly closed original containers away from heat, light and sources of ignition.

7.3 Specific End Use(s)

Used in Flavours and Fragrances.

8 Exposure Controls/Personal Protection

8.1 Control Parameters

No information available.

8.2 Exposure Controls:

Engineering Measures Use suitable handling equipment.

Respiratory Equipment Use only in well ventilated areas. Use protection in poor ventilation.

Hand Protection Wear gloves.

Eye Protection Wear safety goggles.

Skin Protection Wear suitable protective clothing.

State Clear, mobile liquid.

Odour Characteristic of Valerian.

Odour Threshold No data available.

pH Not applicable.

9 Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties:

Melting Point Not applicable.

Boiling Point Not applicable.

Flash Point 75°C

Evaporation Rate No data available.

Flammability Combustible.

Upper/Lower Flammability Limits No data available.

Vapour Pressure No data available.

Vapour Density No data available.

Relative Density 0.95

Solubility in Water Insoluble.

Solubility in Other Solvents Soluble.

Partition Coefficient (log KOW) No data available.

Auto-ignition Temperature No data available.

Decomposition Temperature No data available.

Viscosity No data available.

Explosive Properties No data available.

Oxidising Properties None.

9.2 Other Information:

Particle Size Not applicable.

10 Stability and Reactivity

10.1 Reactivity

Will react with oxidising agents.

10.2 Chemical Stability

Stable under proper storage conditions.

10.3 Possibility of Hazardous Reactions

Not if stored correctly.

10.4 Conditions to Avoid

Do not leave containers open to the air. Avoid storage at elevated temperatures and sources of ignition.

10.5 Incompatible Materials

Oxidising agents

10.6 Hazardous Decomposition

Products On combustion: may produce smoke, Carbon monoxide and Carbon dioxide.

11 Toxicological Information

11.1 Information on Toxicological Effects

This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components.

Acute Toxicity No data available.

Skin Corrosion/Irritation Causes skin irritation.

Serious Eye Damage/Irritation May cause eye irritation.

Respiratory or Skin

Sensitisation

May cause an allergic skin reaction.

Germ Cell Mutagenicity No data available.

Carcinogenicity No data available.

Reproductive Toxicity No data available.

STOT-single Exposure No data available.

STOT-repeated Exposure No data available.

Aspiration Hazard No data available.

<h2>12 Ecological Information</h2>

12.1 Toxicity

No data available.

12.2 Persistence & Degradability

No data available.

12.3 Bioaccumulative Potential

No data available.

12.4 Mobility in Soil

No data available.

12.5 Results of PBT and vPvB Assessment

No data available.

12.6 Other Adverse Effects

No data available.

13 Disposal Considerations

13.1 Waste Treatment

Do not dispose into drainage systems. Ensure disposal is within local Methods and national guidelines. Consult a specialist waste disposal company for correct disposal procedure and/or seek other expert advice.

14 Transport Information

ADR IMDG ICAO

14.1 UN Number

3082

14.2 UN Proper Shipping Name

Valerian Oil

14.3 Transport Hazard Class(es)

999

14.4 Packing Group

III III

14.5 Environmental Hazards

14.6 Special Precautions for User

14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

15 Regulatory Information

15.1 Safety, Health and Environmental Regulations/ Legislation Specific for the Substance or Mixture

This substance is listed as existing in Europe.

15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out for this product.

16 Other Information

16.1 List of Abbreviations used in this MSDS:

CAS Chemical Abstracts Service.

CLP Classification, Labelling and Packaging Regulation (EC) No. 1272/2008.

DSD Dangerous Substances Directive 67/548/EEC.

DPD Dangerous Preparations Directive 1999/45/EC.

EC European Community/Commission.

PBT Persistent, Bioaccumulative and Toxic.

REACH Registration, Evaluation, Authorisation and Restriction of Chemical
Regulation (EC)

no 1907/2006.

vPvB Very Persistent, very Bioaccumulative.

WARNING/DISCLAIMER:

The information in this Safety Data Sheet is based on the properties of the material known to Baldwins at the time the Data Sheet was issued. The Safety Data Sheet is intended to provide information for health and safety assessment of the material and the circumstances under which it is packaged, stored or applied in the workplace. This document is not intended for quality assurance purposes.



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