

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

Product name: Valeriana officinalis / Valerian Root

Product Code : 2166

Supplier: G. Baldwin & Co. Ltd. 171-173 Walworth Road, London, SE17 1RW Emergency Tel: 02077035550

FIRST-AID MEASURES:

Inhalation: Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.

Eye contact: Rinse immediately with plenty of water for at least 15 mins. Contact a doctor if symptoms persist.

Skin contact: Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists,

Ingestion: If adverse reaction occurs rinse mouth out with water. Seek medical advice immediately.

2. FIRE FIGHTING MEASURES.

Flashpoint: 25°C

Extinguishing media recommended: Use CO₂, Dry Powder or Foam type of Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

Special measures : Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-

Extinguishing procedures: Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

3. ACCIDENTAL RELEASE MEASURES.

Personal precautions: Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.

Environment precautions: Keep away from drains, soils, surface & groundwaters.

Cleaning up methods for spillages: Remove all potential ignition sources. Contain spilled material. Cover with an inert or non-combustible inorganic absorbent material, or sweep up and remove to an approved disposal container. Observe state, federal & local disposal regulations.

4. HANDLING & STORAGE.

Precautions in handling : Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation.

Observe good personal hygiene, and do not eat, drink or smoke whilst handling.

Storage conditions : Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources &

Fire protection : Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

5. EXPOSURE CONTROLS/ PERSONAL PROTECTION.

Respiratory protection : Avoid breathing product vapour. Apply local ventilation where possible.

Ventilation : Ensure good ventilation of working area.

Hand protection : Avoid all skin contact. Use chemically resistant gloves if required.

Eye protection : Use safety glasses.

Work/Hygiene practices : Wash hands with soap & water after handling.

6. PHYSICAL & CHEMICAL PROPERTIES.

Colour: Brown Liquid

Appearance : Mobile Liquid

Odour: Characteristic

Flavour : Characteristic

Ethanol Content: 45%

9. TOXICOLOGICAL INFORMATION.

None documented at the time of writing

11. TRANSPORT REGULATIONS.

DOT Classification: R10 Flammable Liquid

UN Number: 1293

Class: 3

Packing Group: III

8. STABILITY & REACTIVITY.

Reactivity : It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidising agents.

Decomposition: Liable to cause smoke & acrid fumes during combustion: Carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

10. ECOLOGICAL INFORMATION.

Biodegradability : Data not available

Precautions: Prevent surface contamination of soil, ground & surface water.

12. PACKAGING:

Type	Suitability
Glass	Yes
Lacquer lined steel/tin	Yes
Aluminium	Yes
HPPE	Yes
F/HDPE	Yes
Other plastic	Yes

13. SHELF-LIFE: Min 36 months when stored within advised conditions. Retest after 36 months.

14. Q.C. REQUIREMENTS. In-line with general product specification. Always satisfy suitability for specific application.

The data provided in this product 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 this data 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.