

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

Product name: Echinacea angustifolia / Echinacea Angustifolia Root Product Code : 2057
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.

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