

## MATERIAL SAFETY DATA SHEET

### LIQUORICE ROOT TINCTURE

<b>1. IDENTIFICATION OF SUBSTANCE/PREPARATION &amp; COMPANY.</b>
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Product name: Glycyrrhiza glabra / Licorice Root

Supplier:

G. Baldwin & Co.

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(office hours only)

<b>2. FIRST-AID MEASURES:</b>
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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, seek medical advice.

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

### 3. FIRE FIGHTING MEASURES.

Flashpoint: 33°C

Extinguishing media recommended: Use CO<sub>2</sub>, 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-contained breathing apparatus & protective clothing.

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

### 4. 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.

### 5. 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 & protected from light. Keep air contact to a minimum.

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

## 6. 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.

## 7. PHYSICAL & CHEMICAL PROPERTIES.

Colour: Brown Liquid  
Appearance: Mobile Liquid  
Odour: Characteristic  
Flavour: Characteristic  
Ethanol Content: 45%

## 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.

## 9. TOXICOLOGICAL INFORMATION.

None documented at the time of writing

## 10. ECOLOGICAL INFORMATION.

Biodegradability: Data not available

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

## 11. TRANSPORT REGULATIONS.

DOT Classification: R10 Flammable Liquid

UN Number: 1293

Class: 3

Packing Group: III

## 12. PACKAGING:

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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