

MATERIAL SAFETY DATA SHEET

HORSETAIL TINCTURE

I. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

Product Name: Equisetum arvense Tincture

Supplier:

G. Baldwin & Co.

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(office hours only)

2. COMPOSITION / INFORMATION ON INGREDIENTS.

Definition/Botanical Origin: Definition: Equisetum arvense. Family: N.O.
Equisetaceae. Commonly known as Horsetail.

Horsetail consists of the fresh or dried, green, sterile stems of Equisetum arvense .
[Fam. Equisetaceae], as well as its preparation in effective dosage. The herb
contains silicic acid and flavonoids.

3. HAZARDS IDENTIFICATION:

No side effects have been reported.

Contraindication: None known.

4: 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, seek medical advice.

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

5. FIRE FIGHTING MEASURES.

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-contained breathing apparatus & protective clothing.

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

6. 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.

7. 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION.

If ingested do not induce vomiting but seek medical advice.

9. PHYSICAL & CHEMICAL PROPERTIES.

Colour: Grey/green to brown

Appearance : tincture is mobile liquid

Odour: Characteristic

Flavour: Characteristic

Relative density at 15°C :

Total Solids:
ethanol content 25%
Bacteria Content: <10⁵
Fungal Content: <10⁴
Escherichia coli: Absent
Salmonella: Absent

Additional data:

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.

11. TOXICOLOGICAL INFORMATION.

None documented

12. ECOLOGICAL INFORMATION.

Biodegradability : Data not available

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

13. DISPOSAL CONSIDERATIONS.

Avoid disposing to drainage systems and into the environment. Seek expert advice.

14. TRANSPORT REGULATIONS.

Road (ADR/RID) :

Sea (IMDG) :

Air (IATA) :

UN 1993 :

15. REGULATORY INFORMATION.

According to Directive 88/379/EEC

Hazards :

Symbols :

Risk Phrases :

Safety Phrases :

16. OTHER INFORMATION.

Conc. % Limits:

PACKAGING:

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

SHELF-LIFE

Min 24 months when stored within advised conditions.

Q.C. REQUIREMENTS.

In-line with general product specification. Always satisfy suitability for specific application.

Retest after 24 months.

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