

MATERIAL SAFETY DATA SHEET

BLADDERWRACK FLUID EXTRACT

I. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

Product name: Fucus Vesiculosus / Bladderwrack Fluid Extract

Specification: 1:1 25%

Supplier:

G. Baldwin & Co.

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LONDON, ENGLAND. SE17 1RW.

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2. COMPOSITION / INFORMATION ON INGREDIENTS.

Definition/Botanical Origin: Definition: Fucus vesiculosus - Common Name:
Bladderwrack

Constituents---The principal constituents of Bladderwrack are iodine, traditionally used to regulate thyroid function, alginic acid and fucoidan are types of dietary fibre.

3. HAZARDS IDENTIFICATION:

Side effects not known

Contraindication:

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.

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.

9. PHYSICAL & CHEMICAL PROPERTIES.

Colour: Brown.

Appearance: mobile liquid

Odour: Characteristic

Relative density at 15°C :

Ethanol content: 25%

Bacteria Content: <10⁵

Fungal Content: <10⁴

Escherichia coli: Absent

Salmonella: Absent

Additional data:

10. 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. TOXICOLOGICAL INFORMATION.

None documented at the time of writing

11. ECOLOGICAL INFORMATION.

Biodegradability: Data not available

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

12. DISPOSAL CONSIDERATIONS.

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

13. TRANSPORT REGULATIONS.

Road (ADR/RID) :

Air (IATA) :

Sea (IMDG) :

UN 1993 :

14. 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 36 months when stored within advised conditions.

Q.C. REQUIREMENTS.

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

Retest after 36 months.

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