

MATERIAL SAFETY DATA SHEET
ACCORDING TO EC LEGISLATION 91/155/E EC

Date created: July 2005

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1. Identification:

Commercial name: Bladderwrack (Seaweed Extract) & propylene glycol & water

Botanical Nomenclature:

INCI name: *Fucus vesiculosus & Propylene Glycol & Aqua*

CAS number: 84696-13-9 (&)57-55-6 (&)7732-18-5

EINECS CAS number: 2836337(&)2003380 (&)2317912

EEC Number: *Not available*

2. Composition:

Main components:

Additives (e.g. carriers, preservatives, antioxidants): *Nil*

3. Potential Health Hazards:

Inhalation: *Observe good housekeeping procedure*

Skin: *Observe good housekeeping procedure*

Eyes: *Observe good housekeeping procedure*

Ingestion: *Observe good housekeeping procedure*

4. First aid:

Inhalation: *None identified*

Skin: *Wash affected area with mild soap and water. Seek medical advice if irritation persists.*

Eyes: *Flush with plenty of water for 15 minutes. Seek medical advice if irritation persists.*

Ingestion: *Rinse mouth with water, seek medical advice immediately.*

5. In case of fire:

Extinguishing media: *Not available*

Do not use: *Not available*

Special precautions: *Not available*

6. Spill and Leak Procedure:

Individual precautions: *Avoid contact with skin, eyes and clothes. All spillages can cause a slipping hazard.*

Environmental protection: *Dispose in landfill in accordance with local state, and federal regulations.*

Cleaning methods *If small spill, absorb on paper or other absorbent material. If large spill pump into salvage tank.*

7. Handling and storage:

Store in a cool, dry and dark place in suitable containers (aluminium cans or lacquer lined steel drums).

Handle in a well ventilated area.

Keep away from sources of heat and ignition.

8. Personal Protection / Exposure control:

Respiratory protection: *Not known.*
Skin protection: *Rubber or plastic gloves should be worn*
Eye protection: *Safety glasses or safety goggles should be worn*
General precautions: *Use good industrial hygiene practise.*

9. Physiochemical properties:

Appearance: *Limpid liquid. Yellow-Ochre*
Odour: *Slight*
pH: *aprox 5*
Boiling point: *100C*
Flash point: *Not available*
Autoignition Temperature: *Not available*
Explosion Limits: *Not available*
Vapour pressure (25°C): *Not available*
Vapour Density: *Not available*
Specific Gravity (25°C): *0.88*
Optical Rotation (20°C): *Not available*
Refractive Index (20°C): *Not available*
Solubility in water (20°): *soluble*
Partition Coefficient log P o/w: *Not available*
Evaporation rate: *Not available*

10. Stability and Reactivity:

Chemical Stability: *Stable.*
Conditions to avoid: *Not available*
Hazardous Decomposition Products: *Not available*

11. Toxicological Information:

According to RIFM- Monograph:
Acute Toxicity: *Oral LD₅₀: /kg in rats Not available*
Dermal LD₅₀: /kg in rabbits Not available
Irritation: *Not available*
Sensitisation: *Not available*
Phototoxicity: *Not available*

12. Ecotoxicological information:

Fish Toxicity: LCO/EC₅₀: *Not available.*
Bacteriotocity: ECO/EC₅₀: *Not available.*

13. Disposal Method:

Check Federal, State and Local Regulations.

14. Transport Information:

Non-hazrdous material transport in suitable containers.

15. Regulatory Information

The British Essential Oil Association Chip Regulations – 2002

Hazard Symbols: -----
Risk Phrases: -----
H/C %: -----
Safety Phrases: -----

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FOR AND ON BEHALF OF PHOENIX NATURAL PRODUCTS:

J.S. CHANA..... (MANAGING DIRECTOR)

DATE:.....