



headland
AMENITY PRODUCTS

PRODUCT SAFETY DATA SHEET

SEAMAC PROTURF
Horticulture / amenity fertiliser

1. Marketed by:

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2. Hazards:

THIS PREPARATION IS NOT CLASSIFIED AS DANGEROUS UNDER DIRECTIVE 2001/59/EC

2.1 Classification of Preparation:

UNCLASSIFIED

2.2 Primary Hazards

NONE

3. Composition:

A brown liquid containing seaweed extract with iron, sulphur, nitrogen and magnesium.

| | |
|---|---|
| 4. First Aid Measures: | |
| 4.1 Eyes: | Irrigate with copious amounts of clean water for at least 10 minutes. Seek medical attention if irritation develops or persists. |
| 4.2 Skin: | Rinse immediately with plenty of water. Seek medical attention if irritation persists. |
| 4.3 Ingestion: | Seek medical advice. |
| 4.4 Inhalation: | Remove from source of exposure into fresh air. Seek medical attention if irritation develops / persists or breathing becomes difficult. |
| 5. Fire Fighting Measures | |
| 5.1 Suitable Extinguishing Media Not Flammable | |
| 5.2 Unsuitable Extinguishing Media As appropriate for surrounding fire | |
| 5.3 Special Hazards, Combustion or By-Products None known. | |
| 5.4 Protective Clothing for Fire Fighting Suitable protective clothing and breathing apparatus. | |
| 6. Accidental Release (Spillage) | |
| 6.1 Personal Precautions None specified. | |
| 6.2 Environmental Precautions DO NOT wash excessive spillages into water courses. If this product enters water course or sewer (including via contaminated soil and vegetation), contact local agency and/or police immediately. DO NOT burn. | |
| 6.3 Clean & Disposal Methods Use soil, sand or other absorbent material. Sweep carefully into labelled containers for re-use or disposal | |

7. Storage and Handling

7.1 Practical Precautions and Engineering Controls for Safe Handling

Open container with care.

7.2 Conditions and Quantity Limits for Safe Storage

Store in a cool, dry atmosphere in original, labelled containers.

DO NOT allow to freeze. Store above 5°C.

No storage quantity limits

8. Personal Protection

8.1 Exposure Limit Values

None determined for product.

8.2 Occupational Exposure Controls

Ensure suitable engineering controls for measuring and handling of product.

8.3 Personal Protective Equipment

Primary Hazard considered handling as concentrate.

Gloves: BS EN374 – chemical protection : physical barrier protection only.

Eye protection: goggles/face shield to BS EN166

| 9. Physical and Chemical Properties | |
|--|---------------------------------|
| 9.01 Appearance: | Brown liquid |
| 9.02 Odour: | Mild seaweed odour |
| 9.03 pH: | 3.1 |
| 9.04 Boiling Point / Range | Not specified |
| 9.05 Flash Point / Flammability: | Not classified as flammable |
| 9.06 Explosive Properties: | Not classified as explosive |
| 9.07 Oxidising Properties: | Not classified as oxidising |
| 9.08 Vapour Pressure: | Not specified |
| 9.09 Relative Density: | 1.28g/ml |
| 9.10 Solubility: | Not specified |
| 9.11 Partition Coefficient: | Not specified |
| 9.12 Viscosity: | A mobile, free flowing liquid |
| 9.13 Vapour Density: | Not specified |
| 9.14 Evaporation Rate: | Not specified |
| 10. Stability and Reactivity | |
| 10.1 Materials to Avoid: Incompatible with highly acidic materials | |
| 10.2 Conditions to avoid: Stable for at least 2 years in original container under normal storage conditions. | |
| 10.3 Hazardous Decomposition Products: Unknown | |
| 11. Toxicological Information | |
| Acute Toxicity: | LD50 >5000mg/kg bw (calculated) |
| Skin Irritancy: | Non irritant |
| Eye Irritancy: | Non irritant |

12. Environmental Protection

The product is of low toxicity to fish.

The components of the product are readily biodegradable and bio-accumulation is extremely unlikely.

NO HARMFUL EFFECTS IF USED AS RECOMMENDED

NOT CLASSIFIED AS HARMFUL TO THE ENVIRONMENT

12.1 Ecotoxicity:

No specific data available

12.2 Mobility:

No specific data available

12.3 Persistence and Degradability:

No specific data available

12.4 Bioaccumulative Potential:

No specific data available

13. Disposal of Unwanted Product and Used Containers

13.1 Disposal of Used Preparation:

Dispose in accordance with local regulations via specialised waste contractor.

13.2 Disposal of Packaging:

Burn, bury or use specialist waste contractor in accordance with local regulations.

14. Transport Information

Road Transport Class:

ADR/RID

Sea:

IMDG

Air:

ICAO/IATA

Not regulated for carriage

15. Regulatory Information

Risk Symbol:

This preparation is classified and labelled in accordance with regulation 2001/59/EC and the fertiliser Regulations 1991. In accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations (CHIP 3), the product is not classified.

16. Other Information

The above information is intended to give health and safety guidance on the storage and transport of the substance or product to which it relates. It is not intended to apply to the use of the product, for which purpose the product label and any appropriate technical usage literature available should be consulted and any relevant licences, consents or approvals complied with. The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given. The information provided in this safety data sheet is accurate to the best of the issuer's available knowledge at the date of publication, and will be updated as and when appropriate. No liability will be accepted for any loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

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