

SAFETY DATA SHEET

Last updated: 30 May 2023

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Seaweed Secrets	
Other Names:	Plant Doctor Seaweed Secrets	
Product Type:	Liquid Seaweed concentrate	
Chemical family:	Ascophyllum nodosum	
Recommended Use:	Horticultural soil additive	
Restrictions on use:	None	
HS Code:	31010099	
Manufacturer:	Plant Doctor Rx Pty Ltd T/A Agtech Natural Resources8/19 Expo Ct, Ashmore, QLD, 4214, Australia Ph: 1300 385 842 (Monday to Friday: 8.00am – 4.00pm) admin@agtechglobal.com.au	
Emergency Phone:	Poisons Information Centre	13 11 26
	EPA for large scale spills	1300 372 842

2. HAZARDS IDENTIFICATION

GHS Classification: Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition).

GHS Label Elements:

Warning!



3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount
Ingredients determined not to be hazardous	Not available	±99%
Potassium Hydroxide	1310-58-3	<1%

4. FIRST AID MEASURES

Eye: Immediately flush eyes with plenty of water for several minutes while holding the eyelids apart. Remove contact lenses, if present and easy to do. Get medical attention if irritation persists.

Skin: Remove contaminated clothing. Wash skin thoroughly with soap and water for several minutes. Get medical attention if irritation occurs and persists. Launder clothing before re-use.

Ingestion: Do **NOT** induce vomiting unless directed to do so by a medical professional. Rinse mouth with water and give one glass of water to drink. Get medical attention if symptoms develop.

Inhalation: Remove victim to fresh air. Get medical attention if symptoms occur and persist.

Most important Symptoms: May cause slight eye and skin irritation. Inhalation of mists may respiratory irritation.

Indication of immediate medical attention/special treatment: Immediate medical attention should not be required. Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media: Non-combustible. No restriction on the type of extinguisher which may be used. Use suitable extinguisher for surrounding area.

Specific Hazards arising from the chemical: This product is non-combustible, however, following evaporation of aqueous component under fire conditions, the remains may decompose and/or burn.

Special Protective Equipment and Precautions for Fire-Fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals. Aqueous solutions may cause surfaces to be extremely slippery and cause a slip hazard.

Explosion Data (sensitivity to mechanical impact or static discharge): None known

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: See section 8

Environmental precautions: See section 12

Methods and Materials for Containment and Cleaning Up:

Minor: Slippery when split. Clean up immediately. Avoid breathing vapour and contact with skin/eyes. Control personal contact with PPE. Contain and absorb spill with sand, earth, inert material or vermiculite. Wipe up. Place in a suitable, labelled container for waste disposal.

Major: Slippery when split. Control personal contact with PPE. Contain and absorb spill with sand, earth, inert material or vermiculite. Wipe up. Place in a suitable, labelled container for waste disposal. Wash area and prevent runoff into drains or waterways. If contamination of drains or waterways occurs, advise emergency services.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Limit all unnecessary personal contact. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. When handling DO NOT eat, drink or smoke.

Always wash hands with after handling.

Conditions for Safe Storage, Including Any Incompatibilities: Store in a cool, well-ventilated area away from heat and incompatible materials. Incompatible with Iron (Fe) based products. Avoid strong acids, acid chlorides, acid anhydrides and chloroformates.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Protect from splashes. General exhaust is adequate under normal operating conditions.
Respiratory Protection: Respiratory protection is not normally needed. In operations where exposures are excessive or symptoms occur, an approved respirator with dust/mist cartridges or supplied air respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.
Skin Protection: Wear impervious gloves & footwear to prevent prolonged skin contact.
Eye Protection: Chemical safety glasses with side shields or goggles should be worn where splashing is possible.
Other: Impervious coveralls, apron and boots as needed to avoid contact. Suitable washing facilities should be available in the work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour: dark brown liquid with a seaweed odour	
Physical State: Liquid	Odour Threshold: Not determined
Vapor Density: ~1	Initial Boiling Point/Range: >100°C
Solubility In Water: Dispersible.	Vapor Pressure: Not determined
Relative Density: 1.06 (water = 1)	Evaporation Rate: Not determined
Melting/Freezing Point: Not available.	pH: 10-11
VOC Content: Not determined.	Octanol/Water Coefficient: Not determined
Solubility: Miscible	Decomposition Temperature: Not determined
Viscosity: Not determined	Flammability (solid, gas): Not applicable
Flashpoint: Not available.	Autoignition Temperature: Not applicable
Flammable Limits: LEL: Not applicable	UEL: Not applicable
Specific Gravity: 1.0 – 1.1 (25°C)	pH: 10.5 – 11.4

10. STABILITY AND REACTIVITY

Reactivity: Will coagulate with Iron (Fe) – See Section 7 for remaining.
Chemical Stability: Stable under normal storage & handling conditions. Hazardous polymerisation will not occur.
Possibility of Hazardous Reactions: See Section 7
Conditions to Avoid: See Section 7
Incompatible Materials: See Section 7
Hazardous Decomposition Products: See Section 5

11. TOXICOLOGICAL INFORMATION

Eye: May cause irritation with prolonged contact causing inflammation.
Skin: May cause irritation. Prolonged exposure may cause irritation, dermatitis, or defatting of skin tissues.
Ingestion: Not classified as harmful. Ingestion may cause gastrointestinal discomfort.
Inhalation: Not normally a hazard due to the non-volatile nature of product.
Chronic: No data available
Sensitization: This material is not known to cause sensitization.
Carcinogenicity: None of the components present are listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, or OSHA.
Germ Cell Mutagenicity: No data currently available.
Reproductive Toxicity: No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available
Persistence and Degradability: No data available.
Bioaccumulative Potential: No data available.
Mobility in Soil: Known to extract heavy metals
Other Adverse Effects: None known.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with local and national environmental regulations.

14. TRANSPORT INFORMATION

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code); nor by air according to the IACO (IATA Regulations), or by sea according to the IMO (IMDG Code). DOT Hazardous Materials Description: Not regulated
IMDG Shipping Description: Not regulated
IATA Shipping Description: Not regulated
UN Number: Not Dangerous Goods

15. REGULATORY INFORMATION

Regulatory Information: Not classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemical (GHS) including Work, Health and Safety regulations, Australia.
Poisons Schedule: Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

16. OTHER INFORMATION

Revision Summary:
30/05/2023: V2
11/06/2019: V1

NOTICE

This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. Agtech shall not be held liable for any damage resulting from handling or from contact with the above product. This information relates only to the product designated herein and does not relate to its use in combination with any other material or process.