

SAFETY DATA SHEET (SDS)

Date of issue: 01/04/2021

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name	TARMA
Product code	TARMA
Manufacturer/Company	Sea6 Energy Pvt. Ltd.
Address	1 st floor, C-CAMP, NCBS-TIFR, GKVK campus, Bangalore - 560 065, India
E mail	contact@sea6energy.com
Contact	(+91) 80 6718 5225
Application	Liquid macroalgal extract for use as fertilizer in agriculture.

2. HAZARD(S) IDENTIFICATION

Classification	Not a hazardous substance or mixture.
GHS Label elements, including precautionary statements	Non-hazardous substance or mixture.
Hazards not otherwise classified (HNOC) or not covered by GHS	None.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredient name	<i>Rhodophyta</i> extract.
CAS number	Not Available.
Chemical components	Extract of macroalgae containing soluble potash.

4. FIRST AID MEASURES

Inhalation	Not harmful
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Website: <https://www.sea6energy.com>; Email: contact@sea6energy.com; Phone: +91-80-67185225/23623400

Eye contact	Rinse with water/ordinary eye wash.
Skin contact	Rinse with water.
Ingestion	Avoid ingestion. If swallowed, drink plenty of water.
Special precautions	Contact physician if any irritation or discomfort occurs.

5. FIRE FIGHTING MEASURES

General	Non-flammable and non-explosive.
Extinguishing Media	Suitable extinguishing media such as water spray, alcohol resistant foam, dry carbon dioxide etc. can be used.
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.
Further information	Avoid spillage on floor.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective equipment,

& Emergency procedures	Use of personal protective equipment is recommended.
Environment precautions	It is an extract of seaweed and is completely biodegradable. No special precaution required.
Methods for cleaning up	Spills may be cleaned by mopping or washing with enough water.

7. HANDLING AND STORAGE

Precautions for safe handling	Avoid breathing the mist. Wash hands after use.
Conditions for Safe Storage, including any incompatibilities	Keep in original container, tightly closed. Store in a cool dry place. Avoid direct heat.
Specific end use(s)	Apart from use mentioned in section 1, no other specific uses are stipulated.

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8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering controls	Handle in a well-ventilated area, in accordance with general industrial hygiene and safety practice.
Respiratory protection	Use of respirator/mask is recommended.
Hand protection	Use of hand gloves is recommended.
Eye / face protection	Use of suitable eye gear is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Powder	Air reactive	NA
Color	Light brown	Viscosity (@ 25 °C)	20-40 cP
Odour	Marine smell	Specific gravity	1.12-1.16
Odour threshold	NA	Flash point	NA
Solubility (in water)	Dissolves easily in water	Initial boiling point and boiling range	NA
pH (0.1% solution in tap water)	>5	Auto ignition temperature	NA
Melting/freezing point	NA	Flammability	NA
Vapor pressure	NA	Upper/lower flammability or explosive limits	NA
Vapor density	NA	Decomposition temperature	NA
Evaporation rate	NA	Partition coefficient	NA

*NA: Data no available / applicable

10. STABILITY AND REACTIVITY

Reactivity: No data available

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Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions:	No data available.
Conditions to avoid	Excessive heat / cold.
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	No data available.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	LD50 Oral: Rat > 2000 mg/kg; Chicken: > 2000 mg/kg
Acute inhalation	LC50 Inhalation: Rat > 4.9 mg/L
Acute dermal toxicity	LD50 dermal: Rabbit > 2000 mg/kg
Skin Corrosion / irritation	Rabbit & Guinea Pig; non-toxic.
Acute eye irritation	Non-toxic, may cause redness and discomfort.
Dermal toxicity	Non-toxic
Reproductive toxicity	Data not available.
Carcinogenicity	Data not available
Mutagenicity	Non-toxic

12. ECOLOGICAL INFORMATION

Toxicity to fish	LC50: <i>Cyprinus carpio</i> , NOEC 196 mg/L at 96 h.
Toxicity to Honey bees	LD50 Oral: > 100 µg/bee at 48 h.
Toxicity to Earth worms	LC50: > 1000 mg/kg after 14 days exposure.
Persistence and Degradability	Components are readily biodegradable.
Bioaccumulative potential	Data not available
Mobility in Soil	Data not available
Other Adverse Effects	Data not available

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13. DISPOSAL CONSIDERATIONS

Product Disposal	Offer surplus and non-recyclable solutions to a licensed disposal company.
Packaging Disposal	Dispose the containers as local regulations allow.
Personal Protection	Person carrying out disposal should wear gloves.
Caution	Do not contaminate surface waters or drain with product or used containers.

14. TRANSPORT INFORMATION

Non-hazardous material for air, road or water freight.

No special precautions required.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

The safety datasheet complies with the standard regulatory guidelines.

Chemical safety assessment

For this product, a chemical safety assessment was not carried out.

16. OTHER INFORMATION

This product is an organic fertilizer prepared from seaweed. It is used in agriculture to increase crop productivity.

The information above is believed to be accurate and represents the best information available to us. However, we cannot accept liability for any loss, injury or damage, which may result from its use or misuse. Data given in this MSDS is solely for the guidance in safe handling and use of the product by the customers. The above information is based on experience, but it is advisable for the customers to satisfy themselves, following discussion with our technical team. It is important for the customers to perform a test for the selected product to ensure that the product is suitable for their purpose under their conditions of use.

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