

Safety Data Sheet

ALGAE ROOTA

SDS No: SDS335/000

Effective Date: 18/11/2021

Revision no: 000

Product Code: 335

SECTION 1

COMPANY AND CHEMICAL PRODUCT IDENTIFICATION

Product Name: ALGAE ROOTA

Chemical Identifier: SEAWEED EXTRACT

Product Use: Biostimulant

Restrictions on use: Agriculture

Supplier:

Nutrico SA (Pty) Ltd. (Co. Reg. No. 2003/008663/07)

Cedar Lake Industrial Estate,

1 Harvest Place, Clayville, Olifantsfontein, 1666, Gauteng, RSA

Telephone:

(011) 392 4072

Website:

www.nutrico.co.za

Emergency Contact Numbers

Griffon Poison Information:

+27 82 446 8946

SECTION 2

HAZARDS IDENTIFICATION

Classification as defined by Regulation (EC) 1272/2008 [CLP] EU & SANS 10234:2008

Hazard Classes	Hazard Category	Hazard Statements
Health		
Flammable liquids	-	-
Acute toxicity (oral)	-	-
Acute toxicity (dermal)	-	-
Inhalation	-	-
Skin irritation	-	-
Eye irritation	-	-
Reproductive	-	-
STOT (SE/RE)	-	-
Environmental		
Aquatic (acute/chronic)	-	-

Label elements: labelling as defined by Regulation (EC) 1272/2008 [CLP] EU & SANS 10234:2008

Hazard pictograms: None

Signal word: None

Hazard statements

None

Precautionary statements

P102 Keep out of reach of children.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/clothing.
P405 Store locked up

Special labelling of certain mixtures: None known**Other hazards:** None known

Toxicity: Classification according to GHS: None
Classification according to WHO: None

SECTION 3
COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture**Declared Active Ingredients:**

Chemical name	CAS No.	EC No.	Conc. %w/w	Classification Regulation (EC) 1272/2008
None	-	-	-	-

SECTION 4
FIRST AID MEASURES

Remove the victim from the area of exposure. Wash off remaining material with plenty of water. In the event of any complaints or symptoms, avoid further exposure. Immediately consult a doctor.

INHALATION: Remove person from contaminated area to fresh air and assist breathing as needed.

SKIN: Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap.

EYES: Flush eyes with clean water for at least 15 – 20 minutes. If present, remove contact lenses and continue rinsing.

INGESTION: Do not induce vomiting unless instructed to do so by a doctor. If the person is alert, rinse mouth thoroughly with water and give 2 to 3 glasses of water to drink.

IMPORTANT ACUTE EFFECTS: None

IMPORTANT DELAYED EFFECTS: None known

NOTE TO PHYSICIAN: The product contains seaweed, treat symptomatically and supportively.

SECTION 5
FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Use dry chemical, water fog or foam
Unsuitable Extinguishing Media:	High volume water jet
Specific hazards:	None
Special Fire Fighting Procedures:	Remove spectators from surrounding area. Isolate the fire area and evacuate all personnel downwind of the fire. Fight fire from maximum distance and use unmanned hose holder or monitor nozzles. Keep upwind. Remove container from fire area if possible and without risk. Do not use high volume water jet, due to contamination risk. Do not scatter the burning material. Water can be used to cool unaffected containers but must be contained for later disposal. Contain fire control agents for later disposal. Avoid pollution of waterways by run-off from the site.
Personal protective equipment:	Wear protective gloves and work suit.

SECTION 6

ACCIDENTAL RELEASE MEASURES

Personal Precautions:	This product is not classified as hazardous
Protective equipment:	Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.
Emergency procedures:	Alert firefighting personnel, evacuate unprotected personnel and animals.
Environmental Precautions:	Prevent spilled product from entering sewers, waterways or ground water.
Methods & Materials for Containment:	Contain spilled product by diking area with sand or earth.
Methods & Materials for Clean-up:	Cover contained spill with an inert absorbent material such as sand, vermiculite, earth or other appropriate material. Vacuum, scoop, or sweep up material and place the material into a clean, dry, sealable container. Label containers with the contents and dispose of according to local regulations. Do not place spilled material back in original container. Do not re-use spill material. Collect washings and add to the drums already collected. Do not flush spilled material or washings into drains or waterways. To decontaminate the spill area, tools and equipment, wash with water and suitable detergent. See section 13 for disposal considerations.

SECTION 7

HANDLING AND STORAGE

HANDLING

Precautions for safe handling:	Clean up spills that occur during handling. Keep containers closed when not in use. In the case of contact with the product refer to First Aid Measures – Section 4.
General occupational hygiene:	Wash hands and contacted areas with water after use.

STORAGE

Conditions for safe storage: Store in a dry, cool place

Incompatible substances and mixtures: None known.

Packaging material: 500 mL, 1 L, and 5 L bottles

SECTION 8

EXPOSURE CONTROLS AND PERSONAL PROTECTION

Permissible concentration: No occupational exposure limits have been determined for the significant ingredients in this product.

ENGINEERING CONTROLS: It is essential to provide adequate ventilation. The measures appropriate for a particular worksite depend on how this material is used and on the extent of exposure. Local exhaust ventilation is preferred. Ensure that control systems are properly designed and maintained. Comply with occupational safety, environmental, fire, and other applicable regulations.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: For most well-ventilated conditions, no respiratory protection should be needed.

Body Protection: The use of protective gloves is recommended.

Eye/ Protection: The use of chemical safety goggles is recommended to prevent against eye contact. Contact lenses are not protective eye devices.

Skin and Body Protection: Employee must wear appropriate protective clothing; gloves and work suit.

Body Protection: Use protective gloves and work suit.

Emergency eyewash: Where there is any possibility that an employee's eyes may be exposed to this substance; the employer should provide an eye wash fountain or appropriate alternative within the immediate work area for emergency use.

SECTION 9
PHYSICAL AND CHEMICAL PROPERTIES

Property	Value/description	Method
Physical state	Liquid	Visual
Colour	Dark brown	Visual
Odour	Seaweed	Organoleptic
pH (1% aqueous dilution)	7.5 – 8.3	CIPAC MT 75.3
Melting/Freezing point	Not applicable	
Boiling point	Not applicable	
Flash point	Not applicable	
Flammability	Not applicable	
Vapour pressure	Not applicable	
Relative Vapour Density	Not applicable	
Density (g/ml)	0.982 – 1.085	Pycnometer
Solubility	Not applicable	
n-Octanol/Water partition coefficient	Not applicable	
Auto-ignition temperature	Not applicable	
Decomposition temperature	Not applicable	
Viscosity	Not applicable	
Explosive properties	Not explosive	
Oxidising properties	Not oxidative	

SECTION 10
STABILITY AND REACTIVITY

Chemical Stability:	The product is stable for two years at ambient temperature and pressure, under normal storage and handling conditions. Avoid storage under extreme temperatures and conditions. Store below 50 °C, preferably below 30 °C, and not for prolonged periods in direct sunlight.
Reactivity:	None known.
Possibility of Hazardous Reactions:	Will not occur.
Conditions to Avoid:	Extreme heat or exposure to flames.
Incompatible Materials:	None known.
Hazardous Decomposition Products:	None known.

SECTION 11
TOXICOLOGICAL INFORMATION

According to information on hazard classes as defined in regulation (EC) NO 1272/2008.
Classification according to GHS (1272/2008/EC,CLP).

This product shall not be classified as an **Acute toxicant**.

Toxicity	Effective dose/ concentration	Value	Species	Method/Source
Acute Oral	LD ₅₀	>5000 mg/kg		GHS ATE calculation
Acute Dermal	LD ₅₀	>5000 mg/kg		GHS ATE calculation
Acute Inhalation	LC ₅₀	>5 mg/L		GHS ATE calculation
Skin irritation	Not classified as a skin irritant			
Eye damage/irritant	Not classified as causing damage to the eye or an eye irritant			
Skin sensitization	Not classified as a skin sensitizer			
Respiratory sensitization	Not classified as a respiratory sensitizer			
Mutagenicity/Genotoxicity:	Not classified as a mutagenic toxicant			
Carcinogenicity	Not classified as a carcinogen			
Reproductive toxicity	Not classified as a reproductive toxicant			
Specific target organ toxicity:	Not classified as a specific target organ toxicant			
Chronic effects:	There are no known chronic effects			

SECTION 12
ECOLOGICAL INFORMATION

This product shall not be classified as hazardous to both aquatic and terrestrial environment.

ENVIRONMENTAL EFFECTS

Persistence and degradability:	Biodegradable
Bio-accumulative Potential:	Bioaccumulation is unlikely
Mobility in soil:	Low mobility
Other adverse effects:	None Known

SECTION 13
DISPOSAL CONSIDERATIONS

Waste: Open dumping or burning of this product is prohibited. Waste resulting from the use of this product cannot be reused or re-processed. Never pour untreated waste or surplus product into public sewers or where there is any danger of run-off or seepage into water systems. Do not contaminate rivers, dams or any other water sources with the product or used containers. Comply with local legislation applying to waste disposal. The product may be taken to a registered waste disposal site or incineration plant.

Container: Emptied containers retain product residues. Do not re-use the empty container for any other purpose. Triple rinse empty containers by inverting the empty container over the spray or mixing tank and allow draining for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the container three times with a volume of water equal to a third of that of the container. Add the rinsing to the contents of the spray tank before destroying the container in the

prescribed manner. Destroy the container by perforating and flattening and dispose of through an approved waste dump site, incineration plant or recycling company. Observe all labelled safeguards until container is destroyed.

SECTION 14

TRANSPORT INFORMATION

UN Number: Not Regulated

Road Transport ADR/IRD:

Class: Not Applicable

Packaging group: Not Applicable

UN Proper Shipping Name: Not Applicable

Maritime Transport IMDG/IMO:

Class: Not Applicable

Packaging group: Not Applicable

UN Proper Shipping Name: Not Applicable

Marine Pollutant (Y/N): No

Air Transport IATA/ICAO:

Class: Not Applicable

Packaging group: Not Applicable

UN Proper Shipping Name: Not Applicable

Special/Environmental Precautions: The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

Transport in bulk: Not applicable

SECTION 15

REGULATORY INFORMATION

Safety, health and environmental regulations/legislation for the mixture: OHSA 1993 Regulations for Hazardous Chemical Substances

Relevant information regarding restrictions: None

EU regulation: Regulation EC1272/2008

Other national regulations: None

Chemical Safety Assessment carried out: No chemical safety assessment was carried out for this Product

SECTION 16

OTHER INFORMATION

PACKAGING:

Packed in 500 mL, 1 L, and 5 L bottles labelled according to South African regulations and guidelines.

DISCLAIMER:

The information on this sheet is not a specification; it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product nor where instructions or recommendations are not followed. All information is given in good faith but without guarantee in respect of accuracy, and no responsibility is accepted for errors and omissions or the consequence thereof.