



SAFETY DATA SHEET
**MICROALGAE BIOSTIMULANT
FROM PESTNU PROJECT**

SDS-50
Date: 20-01-2023
Ed. 02
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SECTION 1: Identification of the substance or mixture and of the company or company

1.1. Product identifier

Product Name: **MICROALGAE BIOSTIMULANT FROM PESTNU PROJECT**

Category:

Liquid algae extract 4.1.06 (RD 506/2013)

Compost usable in organic production (RCE 834/2007)

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use as fertilizer, admitted in organic production

1.3. Details of the supplier of the safety data sheet

Neoalgae Micro Seaweeds Products SL

C / Carmen Leal Mata 191. Polígono de Lloreda

33211 Gijón (Asturias)

984 04 12 66

info@neoalgae.es

It is not a commercial product, but a sample of a new development within the framework of the European Research project PESTNU. This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement no. 101037128

1.4. Emergency number

112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

According to the fertilizer and related regulations:

P102 - Keep out of the reach of children

P270 - Do not eat, drink or smoke while using

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2.2. Label elements

Heavy metal classification:

A class

2.3. Other dangers

None known

SECTION 3: Composition / information on ingredients

Microalgae protein hydrolyzate

This product is under development, the analysis of the composition has not yet been carried out, but it is estimated that they contain:

Composition	%
Free amino acids	5 – 10 %
Total nitrogen	0,5 – 2
Organic nitrogen	0,5 – 2
Water soluble P2O5	0-1
Water soluble K2O	1-3
Aminograma	
Aminoácido	%
Leucine	0-1
Arginine	0-2
Alanine	0-1
Lysine	0-1
Tyrosine	0-0,1
Valine	0-1
Fenilalanine	0-1
Glutamic acid	0-2
Treonine	0-1

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Isoleucine	0-1
Serine	0-1
Aspartic acid	0-2
Metionine	0-0,1
Glicine	0-1
Histidine	0-0,1
Proline	0-1
Cystine	0-1

SECTION 4: First aid measures

4.1. Description of first aid measures

General recommendations: Have the label or safety data sheet with you when calling the emergency number or when you go to the doctor

Contact with the skin: Immediately wash the affected area with plenty of water.

Eye contact: Immediately flush eyes with plenty of water while holding and consult a doctor

Ingestion: Rinse mouth with plenty of water and consult a doctor

4.2. Most important symptoms and effects, both acute and delayed

There is no evidence of particularly identified symptoms or effects

4.3. Indication of any immediate medical attention and special treatment needed

Medical treatment should be symptomatic

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media: In case of fire, use water, foam, dry chemical or carbon dioxide.

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Unsuitable Extinguishing Media: None known

5.2. Special hazards arising from the substance or mixture

None known

5.3. Recommendations for firefighters

None specific

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Comply with good handling practices and workplace health and safety policies, using protective gloves, safety glasses and appropriate clothing

6.2. Environmental precautions

In the event of a spill or leak, it should be absorbed with inert materials.

6.3. Methods and material for containment and cleaning up

Cleaning methods will be the usual ones described in the corresponding instructions in the workplace.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Comply with good handling practices and workplace health and safety policies, using protective gloves, safety glasses and appropriate clothing, not eating or drinking in work areas, and washing hands properly after handling.

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If the product is used correctly there are no other specific recommendations.

7.2. Conditions for safe storage, including any incompatibilities

Store the product in its original container properly closed, in cool and appropriate places to keep the characteristics of the product intact.

It should be kept out of the reach of children and away from food, drink and animal feed.

7.3. Specific end uses

Use as a fertilizer suitable for organic production.

SECTION 8: Exposure controls / personal protection

During handling, appropriate protection should be used

No Environmental Limit Values have been set for any of the product components

Biological Limit Values have not been set for any of the product components.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: Dark green (brownish) liquid

Characteristic smell

Odor threshold: No data available

pH: 8.8

Melting point / range: No data available

Boiling point / range: No data available

Flash point: No data available

Evaporation rate: No data available

Explosive limits: No data available

Vapor pressure: No data available

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Density: 1.07 g / ml (25 °C)

Solubility in water (20 °C): Totally soluble in water

Partition coefficient n-octanol / water: No data available

Auto-ignition temperature: No data available

Thermal decomposition: No data available

Dynamic viscosity: No data available

Kinematic viscosity: No data available

Explosive properties: No data available

Oxidizing properties: No data available

Oxidising properties: No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product does not present hazards due to reactivity.

10.2. Chemical stability

The product is stable under normal storage and handling conditions.

10.3. Possibility of hazardous reactions

None known

10.4. Conditions to avoid

None known

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

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None known

SECTION 11: Toxicological information

Inhalation: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Skin contact: No known significant effects or critical hazards.

Eye contact: No known significant effects or critical hazards.

Chronic effects: No known significant effects or critical hazards

Cardiogenesis: No known significant effects or critical hazards

Mutagenesis: No known significant effects or critical hazards

Developmental effects: No known significant effects or critical hazards.

Effects on fertility: No known significant effects or critical hazards.

SECTION 12: Ecological information

12.1. Toxicity

The product is not dangerous for the aquatic environment

The product is not dangerous for the terrestrial environment

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

As far as possible, the generation of waste should be avoided or minimized.

Avoid scattering of spilled material.

The disposal of this product and any derivative must always comply with the requirements of the environmental protection legislation and comply with all the requirements of local authorities.


Applicable EU directives and national, regional and local regulations must comply with the European Waste Catalog.

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The holder of said waste must assign it a specific waste code according to the industrial sector and treat it according to the European Waste Catalog.

SECTION 14: Transport information

Road transport:

ADR / RID class: Not applicable

Marine transport:

IMDG class: Not applicable

Air Transport:

IATA-DGR class: Not applicable

SECTION 15: Regulatory information

This product complies with the legislation on the manufacture and labeling of fertilizer products (Royal Decree 506/2013)

Complies with the legislation on fertilizers usable in organic production (RCE 834/2007)

SECTION 16: Other information

Track Changes: Second Edition (Change in percentage of amino acids).

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