



Material safety data sheet

According to EU Regulation 1907/2006 in the current version

SPIRULINA POWDER

1. Identification of the substance/mixture and company

Trade name: Spirulina powder
I.N.C.I. Spirulina maxima powder
CAS No. : 223751-80-2
EINESCS No. : 607-057-6
REACH pre-registration No. : -
Utilization: Raw material for cosmetic or professional use
Supplier company identification: **Elemental SRL**, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania
Tel/Fax: +40259-436.755, www.elemental.eu
Emergency: RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București.
International emergency number: +49 180 2273-112

2. Hazards Identification

2.1 Classification of the substance or mixture

This substance is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

2.2 Label elements

None.

2.3 Other hazards

No information available.

3. Declaration of ingredients

The product contains the following ingredients:

Substance	C.A.S.	EINECS	Percent %
Spirulina	223751-80-2	607-057-6	100%

4. First aid measures

4.1 Description of first aid measures

General information: If used properly, no special measures necessary.

In case of contact with skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

In case of contact with eyes: Rinse immediately carefully and thoroughly with eye-bath or water.

In case of inhalation: Provide fresh air.

In case of ingestion: Rinse mouth immediately and drink plenty of water.

4.2 Main symptoms and effects, both acute and delayed

No information available.

4.3 Indication to consult a physician immediately or any special treatments

Treat symptomatically.

5. Fire fighting measures



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5.1 Means of extinction

Suitable extinguishing media: Co-ordinate fire-fighting measures to the fire surroundings.

5.2 Special hazards arising from the substance or mixture

Non-flammable.

5.3 Recommendations for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

6. Accidental release measures

6.1 Personal precautions, protective devices and emergency procedures

Avoid dust formation. Do not breathe dust.

6.2 Environmental precautions

No special environmental measures are necessary. Clean contaminated articles and floor according to the environmental legislation.

6.3 Methods and materials for containment and remediation

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling: No special measures are necessary.

Advice on protection against fire and explosion: No special fire protection measures are necessary.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels: Keep container tightly closed.

Hints on joint storage: No special measures are necessary.

7.3 Specific end uses

For different applications.

8. Exposure controls / personal protection

8.1 Control parameters



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There are no specific control parameters.

8.2 Exposure controls



Hand protection: When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection: Wear suitable protective clothing.

Eye protection: Wear eye protection/face protection.

Respiratory protection: In case of inadequate ventilation wear respiratory protection.

9. Physical and chemical properties

9.1 Information on physical and chemical properties

Appearance: solid

Color: dark green

Odor: characteristic

Relative density (d 20 / 20): NA

Refractive index at 20°C: NA

Optical rotation (°): NA

Flash point: 100 ° C

Odor threshold: NA

pH: Not determined

Melting point / freezing point: Not determined

Initial boiling point and boiling range: Not determined

Flash point: NA

Evaporation rate: NA

Flammability (solid, gas): NA

Upper / lower flammability or explosive limits: Not determined

Vapor tension: Not determined

Vapor density: 0,00045 g/cm³

Solubility in water: The study does not need to be conducted because the substance is known to be insoluble in water.

Partition coefficient: n-octanol / water NA

Auto-ignition temperature: Not determined

Decomposition temperature: NA

Viscosity: NA

Explosive properties: NA

Oxidizing properties: Not oxidizing

9.2 Other information

None.

10. Stability and reactivity

Stable under normal conditions of use.

10.1 Responsiveness

No hazardous reaction when handled and stored according to provisions.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.



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10.3 Possibility of dangerous reactions

No known hazardous reactions.

10.4 Conditions to avoid

None.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No known hazardous decomposition products.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity: Based on available data, the classification criteria are not met.

Irritation and corrosivity: Based on available data, the classification criteria are not met.

Sensitising effects: Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

12. Ecological information

12.1 Toxicity

The product is not: Ecotoxic.

12.2 Persistence and degradability

The product has not been tested.

12.3 Bioaccumulation potential

The product has not been tested.

12.4 Ground mobility

The product has not been tested.

12.5 Results of PBT and vPvB assessment

The product has not been tested.

12.6 Other adverse effects

No information available.

Further information: Avoid release to the environment.

13. Disposal considerations

13.1 Waste treatment methods

Advice on disposal: Dispose of waste according to applicable legislation.

Contaminated packaging: Wash with plenty of water. Completely emptied packages can be recycled.



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14. Transport information

14.1 UN number
ADR: Not classified
IMDG: Not classified
IATA: Not classified
Customs Code: Not classified

14.2 UN shipping name
ADR: Not classified
IMDG: Not classified
IATA: Not classified

14.3 Class of danger for transport
ADR: Not classified
IMDG: Not classified
IATA: Not classified

14.4 Packing group
ADR: Not classified
IMDG: Not classified
IATA: Not classified

14.5 Environmental hazards
Not applicable.

14.6 Special precautions for users
No information available.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code
Not applicable.

15. Regulatory information

15.1 Regulations and legislation on health, safety and environment specific to the substance or mixture
Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)
Water contaminating class (D): not water contaminating

15.2 Chemical safety assessment.
For this substance a chemical safety assessment has not been carried out.

16. Additional information

16.1 Abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS: Chemical Abstracts Service (division of the American Chemical Society).
CLP: Classification, Labeling, Packaging.
DNEL: Derived No Effect Level.
EINECS: European Inventory of Existing Commercial Chemical Substances.
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
IATA: International Air Transport Association.



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IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

LTE: Long-term exposure.

PNEC: Predicted No Effect Concentration.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STE: Short-term exposure.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.