

SAFETY DATA SHEET (According to Regulation (EC) N° 2015/830)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier:

Bindly - Sodium Alginate
Spherification agent for molecular gastronomy

1.2 Relevant identified uses of the substance or mixture and uses advice against

Functional category: Spherification/Gelling agent
Sector of use: SU4 Manufacture of food products

1.3 Details of the supplier of the safety data sheet

Company name: BDF NATURAL INGREDIENTS S.L.
Street: C/ Les serres, 22
Postal code / City: 17244 Cassà de la Selva
Telephone: +34972183300
e-mail: info@bdfingredients.com

1.4 Emergency telephone number

+34972183300 (during office hours 7:00-15:00)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

This substance is not classified as dangerous.

2.2 Label elements

Hazards pictograms: None
Signal word: None
Hazards statements: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

NAME	CAS #	EINECS #	E Number
Sodium alginate	9005-38-3		E-401

3.2 Mixtures

Not applicable

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information: Medical attendance of emergency is not generally required

After inhalation: Move to a ventilated area if great quantity of powder is inhaled and mechanical irritation or uneasiness occurs, go to a doctor if the irritation continues.

After contact with skin: Rinse with water

After contact with eyes: Rinse with abundant water

After ingestion: Rinse mouth thoroughly with water

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Use water spray or extinguishing measure that is appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Not available

5.3 Advice for firefighters

In case of fire: Wear self-contained breathing apparatus

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

To minimize the powder generation

To avoid breath breathing in the powder and the contact with the eyes

To use masks of powder proof and glasses of security

6.2 Environmental precautions

To avoid its arrival to the water. With high concentrations it can be harmful to the environment.

6.3 Methods and material for containment and cleaning up

Floors. To collect those spilled residues. Moisture is necessary to minimize the powder generation.

Water: to clean away residue

To introduce the product in a recipient and then to transfer it to a safe place.

6.4 Reference to other sections

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13

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SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling: Avoid generation of dust

Advice on protection against fire and explosion:

Special controls are not required

Further information on handling: To be handled following the good practices of industrial hygiene

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels: keep cool and dry in closed bags

7.3 Specific end use(s)

None

SECTION 8: EXPOSURE

CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

These products don't have occupational exposure limit (OEL).

8.2 Exposure controls

Appropriate engineering controls: Care for good ventilation at work.

Protective and hygiene measures: To wash the hands and other exposed areas with soft soap before eating, drinking, smoking or when the working is finished. To maintain the working area as clean as possible.

Personal protection:

- Respiratory Protection. The use of dust mask (filter P3) is recommended.
- Eye protection. The use of safety goggles is recommended.
- Protection of hands. The use of gloves is recommended due to possible irritation.
- Skin protection. Monkey should take to minimize the potential exposure of skin surface.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Light yellow powder
Scent	Typical
PH (as such)	6—8
PH of water solution (1%),20°C	6—8
Boiling points	Not applicable
Point of inflammation	Not applicable

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Inflammability	Not inflammable
Explosive properties	None
Combustible properties	None
Vapor properties	Not applicable
Solubility in water,25°C (% by weight)	Soluble in water (viscosity about 300 CPS in 1% solution at 25°C.
Viscosity	Not applicable
Vapor density	Not applicable
Speed evaporation	Not applicable
Auto-ignition temperature	Not applicable

The physical and chemical data are not available because it is not necessary to carry out a Chemical Safety report in accordance with article 2.5 of Regulation 1907/2006

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No information available

10.2 Chemical stability

This product is stable under normal conditions

10.3 Possibility of hazardous reactions

None

10.4 Conditions to avoid

Temperature over 30°C for a long time

10.5 Incompatible materials

None

10.6 Hazardous decomposition products

None

SECTION 11: TOXICOLOGICAL INFORMATION

Means of exposure: Inhalation. Ingestion

Serious effects of overexposure

- Contacts with eyes: the exposure of the powder may cause irritation
- Contact with skin: slight irritation may be noted
- Sensitization: adverse effects are not found
- Ingestion: the ingestion of big quantities may cause irritation Inhalation: the inhalation of big quantities may cause slight irritation
- Complementary notes: None

Chronic effects of overexposure

- Carcinogenic effects: Not available due to the nature of the product
- Teratogenic effects: Not available due to the nature of the product
- Mutagenic effects: Not available due to the nature of the product
- Slowed toxicity: Not available due to the nature of the product

Complementary notes: the long-time exposure at levels superior to the occupational limits can overload the cleaning mechanisms of the lungs and therefore causes serious injuries to the lungs.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

There is not data available

12.2 Persistence and degradability

There is not data available

12.3 Bio accumulative potential

There is not data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local / national legislation. Follow the provisions of Directive 2008/98/EC regarding waste management.

13.2 Polluted packages

To be eliminated in a safe way in conformity with the national /local regulations

SECTION 14: TRANSPORT INFORMATION

14.1 Characteristic name of the transport

Not regulated

14.2 Classification in transport

ADR: Not classified

IMDG: Not classified

ICAO/IATA: Not classified

RID: Not classified

SECTION 15: REGULATORY INFORMATION

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

Not classified as dangerous in compliance with current EU legislation

15.2 Chemical safety assessment

No information available

SECTION 16: OTHER INFORMATION

The information contained herein is based on the present state of our knowledge. It does not represent a guarantee of product properties.

BDF Natural Ingredients, SL shall not be held liable for any damage resulting from handling or from contact with the above product.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2015/830 of May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

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Technical and Commercial Service Center

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