



Safety data sheet

According to regulation (EC) 1907/2006, 453/2010

Revision date: Mai 2013

Product name: Alginate

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SECTION 1. Identification of the substance/mixture and of the company/undertaking.

1.1 Product identifier

Trade name: Alginate

1.2 Relevant identified uses of the substance or mixture and uses advised against Use of the Substance/Mixture: Modelling.

1.3 Details of the supplier of the safety data sheet

Company: Esprit Composite
22, Rue Gassendi
F-75014 Paris
France
Telephone: Tel: +33 1 4044 4797
Telefax: Fax: +33 1 4044 4951
Website: www.espritcomposite.com
E-mail: contact@espritcomposite.fr

1.4 Emergency telephone number:

NHS Direct England or Wales: +44 0845 4647
NHS 24 Scotland (UK only): +44 08454 242424

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3. Composition/information on ingredients

3.1 Substance

Synonyms: Alginic acid sodium salt from brown algae
Algin

SECTION 4. First aid measures:

4.1 Description of first aid measures

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration.
Skin contact: Wash off with soap and plenty of water.
Eye contact: Flush eyes with water as a precaution.
Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: No specific adverse effects

4.3 Indication of any immediate medical attention and special treatment needed

no data available



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SECTION 5. Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting: Carbon oxides

5.3 Advice for firefighters

Special protective equipment for firefighters: Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information

no data available

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Avoid dust formation. Avoid breathing vapors, mist or gas.

6.2 Environmental precautions

Environmental precautions: Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up: Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection: For disposal see section 13.

SECTION 7. Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling: Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles: Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s)

Specific use(s): No further relevant information available.

SECTION 8. Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.



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Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:

Form:	Solid
Colour:	White or pink
Odour:	Characteristic

Change in condition

Melting point/Melting range:	55-61°C
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Boilingpoint/Boilingrange:	Undetermined.
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Flash point:	> 130°C
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Flammability (solid, gaseous):	Product is not flammable.
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Danger of explosion:	Product does not present an explosion hazard.
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Density:	Not determined.
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Solubility in / Miscibility with water:	Insoluble.
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9.2 Other information

No further relevant information available.

SECTION 10. Stability and reactivity

10.1 Reactivity

Reactivity:	no data available
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10.2 Chemical stability

Chemical stability:	no data available
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10.3 Possibility of hazardous reactions

Hazardous reactions:	no data available
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10.4 Conditions to avoid

Conditions to avoid:	no data available
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10.5 Incompatible materials

Materials to avoid:	Strong oxidizing agents, Strong acids, Strong bases
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10.6 Hazardous decomposition products

Hazardous decomposition products:	Other decomposition products - no data available
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SECTION 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity



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Product: Acute oral toxicity:	LD50 Oral - rat - > 5.000 mg/kg
Skin corrosion/irritation Product:	Remarks: no data available
Serious eye damage/eye irritation Product:	Remarks: no data available
Respiratory or skin sensitization Product:	Remarks: No data available
Germ cell mutagenicity Product:	Remarks: No data available
Carcinogenicity IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity Product:	Remarks: No data available
STOT - single exposure Product:	Remarks: no data available
STOT - repeated exposure Product:	Remarks: No data available
Repeated dose toxicity Product:	Remarks: No data available
Aspiration toxicity Product:	Remarks: No data available
Potential health effects Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	May be harmful if swallowed.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.
Further information Product:	RTECS: No data available

SECTION 12. Ecological information

12.1 Toxicity

Product:

Toxicity to fish:

Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates:

Remarks: No data available

12.2 Persistence and degradability

Product:

Biodegradability:

Remarks: No data available

12.3 Bioaccumulative potential

Product:

Bioaccumulation:

Remarks: No data available

12.4 Mobility in soil

Mobility in soil:

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment:

This substance/mixture contains no components considered to be either persistent, bioaccumulative



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12.6 Other adverse effects

Product:

Additional ecological information:

and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Remarks: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13. Disposal considerations

13.1 Waste treatment methods

Recommendation

Offer surplus and non-recyclable solutions to a licensed disposal company.

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

SECTION 14. Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

SECTION 15. Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII): Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorization (Article 59): This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

REACH - List of substances subject to authorization (Annex XIV): Not applicable

Seveso II - Directive 2003/105/EC amending Council Directive 96/82/EC on the control of major accident hazards involving dangerous substances: Not applicable

15.2 Chemical Safety Assessment

Not applicable

SECTION 16. Other information

Further information

Training advice

Provide adequate information, instruction and training for operators.



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