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Sodium Alginate SH

SDS # : CHMI001**Revision Date: 2013-01-28****Version 1**

I. PRODUCT AND COMPANY IDENTIFICATION

I.1 Product identifier

Chemical Name	Sodium Alginate SH
Product name	Jacquard's Sodium Alginate SH
Synonyms	Sodium alginate: Algin (INCI name), alginic acid, sodium salt
CAS-No	9005-38-3

I.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Industrial - Paper

I.3 Details of the supplier of the safety data sheet

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2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Classification according to EU Directives 67/548/EEC or 1999/45/EC

2.2 Label elements

Signal Word: Not classified

2.3 Other information

General Hazards Dry or powdered ingredients are combustible. Dispersal of finely divided dust from products into air may form mixtures that are ignitable and explosive. Minimize airborne dust generation and eliminate sources of ignition. Contaminated surfaces will be extremely slippery. May cause irritation of respiratory tract.

3. COMPOSITION/INFORMATION ON INGREDIENTS

SODIUM ALGINATE						
Chemical Name	EC-No	CAS-No	Weight%	EU -DSD Classification (67/548)	Classification (Reg. 1272/2008)	REACH Registration Number
Sodium alginate	-	9005-38-3	-	-		*

4. FIRST AID MEASURES

4.1 Description of first-aid measures

Skin contact:	Wash with water and soap as a precaution.
Eye contact:	Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.
Inhalation:	Remove person to fresh air. If signs/symptoms continue, get medical attention.
Ingestion:	Drink plenty of water. Get medical attention if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

Most important symptoms and effects both acute and delayed: Difficulty breathing.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Indication of immediate medical attention and special treatment needed if necessary: Aspiration or inhalation of this product could cause chemical pneumonitis. Treatment is symptomatic, and supportive.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media which shall not be used for safety reasons:

Do not use a solid water stream as it may scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:

Dry or powdered ingredients are combustible. Dispersal of finely divided dust from products into air may form mixtures that are ignitable or explosive. Minimize airborne dust generation and eliminate sources of ignition.

5.3 Advice for firefighters

Special protective equipment for fire-fighters:

As in any fire, wear self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Powder becomes slippery when wet. Avoid dust formation. Avoid breathing dust.

6.2 Environmental precautions

Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained. Try to prevent the material from entering drains or water courses.

6.3 Methods and materials for containment and cleaning up

Maintain good housekeeping practices to avoid accumulation of settled dust, especially on overhead surfaces. Sweep or vacuum up spillage and return to container. Washdown water is not recommended.

6.4 Reference to other sections.

Dispose of waste as indicated in Section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation. Ensure adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Keep tightly closed in a dry and cool place. Keep away from heat and sources of ignition i.e., steam pipes, radiant heaters, hot air vents or welding sparks.

Materials to avoid:

Strong oxidizing agents.

7.3 Specific end uses

Exposure scenario: No information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure limits

Ingredients with workplace control parameters

Chemical Name	Romania	Bulgaria	Russia
Sodium alginate 9005-38-3			MAC 10 mg/m ³

8.2 Exposure controls

Engineering measures

Use with local exhaust ventilation.

Personal Protective Equipment

General Information

If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment. Local nuisance dust standards apply.

Eye/face protection	Safety glasses
Skin and body protection	No special precautions required.
Hand protection	No special precautions required.
Hygiene measures	When using, do not eat, drink or smoke. Wear suitable gloves and eye/face protection. Wash hands before breaks and at the end of workday. Wash hands with water as a precaution. Regular cleaning of equipment, work area and clothing is recommended.
Environmental exposure controls	The product should not be allowed to enter drains, water courses or the soil.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	free flowing powder
Color	yellowish to light-brown
Physical state	solid
Odor	odorless
Odor Threshold	No information available.
pH	6.5 - 8.5 (1% aqueous solution)
Flash Point	No information available.
Melting Point/Range	No information available.
Freezing point	No information available.
Boiling Point/Range	No information available.
Autoignition Temperature	No information available.
Vapor pressure	No information available.
Vapor density	No information available.
Partition coefficient:	No information available.
Water solubility	Slowly soluble, forming a viscous, colloidal solution
Viscosity	No information available.
Evaporation rate	No information available.

9.2 Other information

10. STABILITY AND REACTIVITY

10.1 Reactivity

None under normal use conditons.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to Avoid

Dust formation. Heat. Humid air.

10.5 Incompatible Materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

None under normal use.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

Ingestion of large quantities may cause intestinal obstruction. Aspiration or inhalation could cause chemical pneumonitis.

LD50 Oral: > 5000 mg/kg (Rat)
LC50 Inhalation: > 4.72 mg/L (1-hr) (Rat)

Skin contact: Does not pose a potential of skin irritation and sensitization.

Eye contact: Non-irritating (rabbit). Non-irritating (rabbit).

Inhalation: May cause irritation of respiratory tract.

Ingestion: Low order of toxicity based on components. Ingestion may cause gastrointestinal discomfort including nausea, vomiting and diarrhea if large amounts are ingested.

Chronic Toxicity

Sensitization:	No information Available
Target Organ Effects:	None noted.
Endocrine Disruptor Information:	This product does not contain any known or suspected endocrine dismptors.
Carcinogenicity	Contains no ingredient listed as a carcinogen.
Mutagenicity:	No infonnation available.
Reproductive toxicity:	No information available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Ecotoxicity effects

Not expected to have significant environmental effects

12.2 Persistence and degradability

Product is biodegradable.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No infonnation available.

12.5 Results of PBT and vPvB assessment

No information available

12.6 Other adverse effects

None kown.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste from residues/unused products

Dispose of in accordance with the European Directives on waste and hazardous waste.

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

ADR/RID	not regulated
IMDG/IMO	not regulated
ICAO/IATA	not regulated

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

EINECS/ELINCS (Europe)	Complies
TSCA Inventory (United States of America)	Complies
DSL (Canada)	Complies
ENCS (Japan)	Complies
IECSC (China)	Complies
KECL (Korea)	Complies
PICCS (Philippines)	Complies
AICS (Australia)	Complies
NZioC (New Zealand)	Complies

15.2 Chemical Safety Report

No information available.

Full text of R-phrases referred to under sections 2 and 3

No information available.

Recommended use: Industrial- Paper

Revision Date: 2013-01-28
Revision Note: ***Indicates updated section.

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