

SAFETY DATA SHEET (SDS)



Jacquard Products
Manufactured by Rupert, Gibbon & Spider, Inc.
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Sodium Alginate SH - Pg 1

Revision Date: 03/02/2018

SECTION 1 - CHEMICAL, PRODUCT & COMPANY INFORMATION

Product Name:	SODIUM ALGINATE SH	
Product Number/Code:	CHM1001, CHM2001, CHM3001	
Recommended Use:	Thickener for dyes	
Synonym(s):	Sodium alginate:Algin (INCI name), alginic acid, sodium salt	
Restrictions on use:	None known	
Manufacturer:	Rupert, Gibbon & Spider, Inc. 1147 Healdsburg Ave. Healdsburg, CA 95448 1-800-442-0455 / 707-433-9577	
Emergency Number:	ChemTel, Inc. - Contract #MIS9128344	
	North America: 1-800-255-3924	International: 1-813-248-0585

SECTION 2 - HAZARD(S) IDENTIFICATION

This product is not considered to be or contain hazardous chemicals based on evaluations made by our company under the OSHA Hazard Communication Standard, reference 29 CFR 1910.1200.

Toxicological Data on Ingredients:

Hazard Classification	Not hazardous
Physical Hazards:	Not classified
Health Hazards:	Not classified
Environmental Hazards:	Not classified

Label Elements

Pictogram:	None
Signal Words:	None

Hazard Statements-EU: The mixture does not meet the criteria for classification.

Precautionary Statements-EU:

Prevention:	See section 8
Response:	See sections 4, 5 & 6
Storage:	See section 7
Disposal:	See section 13
Hazard(s) not otherwise classified:	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.

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SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical identity	Content in percent (%)*	CAS #
Sodium alginate	100%	9005-38-3

SECTION 4 - FIRST AID MEASURES

Description of first aid measures:	
In the event of skin contact:	Wash with water and soap as a precaution.
In the event of eye contact:	Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.
In the event of swallowing:	Drink plenty of water. Get medical attention if symptoms occur.
In the event of exposure by inhalation:	Remove person to fresh air. If signs/symptoms continue, get medical attention.
Most important symptoms and effects, acute and delayed:	Difficulty breathing.
Indication of any immediate medical attention and special treatment needed:	Aspiration or inhalation of this product could cause chemical pneumonitis. Treatment is symptomatic and supportive.

SECTION 5 - FIREFIGHTING MEASURES

Extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Non-suitable extinguishing media:	Do not use a solid water stream as it may scatter and spread fire.
Special hazards arising from the substance or mixture:	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.
Advice for fire fighters:	As in any fire, wear self-contained breathing apparatus and full protective gear.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Powder becomes slippery when wet. Avoid dust formation. Avoid breathing dust.
Methods and material for containment and clean 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.
Environmental procedures:	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.
Reference to other sections:	Dispose of waste as indicated in Section 13.

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SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling:	Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation. Ensure adequate ventilation.
Conditions for safe storage including any incompatibilities:	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.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:	
Occupational exposure limits:	MAC 10 mg/m ³ (Russia)
Appropriate engineering controls:	Use with local exhaust ventilation.
Individual protection measures, such as personal protective equipment:	
General information:	If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers.
Eye/face protection:	Safety glasses
Skin 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.
Respiratory protection:	In case of insufficient ventilation wear suitable respiratory equipment. Local nuisance dust standards apply.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

General information:	
Appearance and physical state:	Free-flowing powder - solid
Color:	Yellowish to light-brown
Type of Odor:	Odorless
Odor threshold:	No information available
Important health, safety and environmental information:	
Initial Boiling Point and Boiling Range:	No information available
Melting Point/Freezing Point:	No information available
Flammability Classification:	No information available
Flash Point:	No information available
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Flammability Limits (lower/upper):	No information available
Evaporation rate:	No information available
Vapor Pressure:	No information available
Vapor Density (Air=1):	No information available
Octanol/Water Partition Coefficient (log Pow):	No information available
Specific Gravity:	No information available
Bulk Density:	No information available
Water Solubility:	Slowly soluble, forming a viscous, colloidal solution
pH:	6.5-8.5 (1% aqueous solution)
Viscosity:	No information available
Explosive Properties:	No information available
Oxidizing Properties:	No information available
Molecular Formula:	No information available
Molecular Weight:	No information available
Relative Density:	No information available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity:	None under normal use conditions
Stability:	Stable under recommended storage conditions
Possibility of hazardous reactions:	None under normal processing
Conditions to avoid:	Dust formation, heat, humid air
Incompatible materials:	Strong oxidizing agents
Hazardous decomposition products:	None under normal use

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SECTION 11 - TOXICOLOGICAL INFORMATION

Information on toxicological effects:	
Acute toxicity (list all possible routes of exposure)	
Acute Oral Toxicity:	LD50 Oral: > 5,000 mg/kg (Rat)
Acute Inhalation Toxicity:	> 4.72 mg/L (1-hr) (Rat)
Skin Corrosion/Irritation:	Does not pose a potential of skin irritation and sensitization
Serious Eye Damage / Eye Irritation:	Non-irritating (rabbit). Non-irritating (rabbit).
Respiratory or Skin Sensitization:	No information available
Germ Cell Mutagenicity:	No information available
Carcinogenicity:	Contains no ingredient listed as a carcinogen.
Endocrine Disruptor Information:	This product does not contain any known or suspected endocrine disruptors.
Reproductive Toxicity:	No information available
Specific Target Organ Toxicity - single exposure (STOT-se):	None noted
Specific Target Organ Toxicity - repeated exposure (STOT-re):	None noted
Aspiration Hazard:	No information available
Potential Health Effects:	
Skin Contact:	No information available
Eye Contact:	No information available
Ingestion:	Ingestion of large quantities may cause intestinal obstruction. Low order of toxicity based on components. Ingestion may cause gastrointestinal discomfort including nausea, vomiting and diarrhea if large amounts are ingested.
Inhalation:	Aspiration or inhalation could cause chemical pneumonitis. May cause irritation of respiratory tract.

SECTION 12 - ECOLOGICAL INFORMATION

Toxicity:	
Ecotoxicity effects:	Not expected to have significant environmental effects
Persistence and degradability:	Product is biodegradable
Bioaccumulative potential:	No information available
Mobility in soil:	No information available
Results of PBT and vPvB assessment (EC reg. 453/2010):	No information available
Other adverse effects:	None known

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste treatment methods:	
Disposal:	Dispose of in accordance with the European Directives on waste and hazardous waste.
Container Disposal:	Empty containers should be taken to an approved waste handling site for recycling or disposal.

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SECTION 14 - TRANSPORT INFORMATION

General Information:	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).
UN number:	Not relevant
UN proper shipping name:	Not relevant
Transport hazard class:	Not relevant
Packing group:	Not relevant
Environmental Hazards:	
Environmentally hazardous substance:	No
Special precautions for user:	Not relevant

SECTION 15 - REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:	
Hazard categories	
EINECS IELINCS (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

SECTION 16 - OTHER INFORMATION

HMIS Hazard ID:	
Health:	No information available
Flammability:	No information available
Reactivity:	No information available
Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *Chronic health effect	

Disclaimer:

The information contained in this SDS is based on data from sources considered to be reliable but Rupert, Gibbon & Spider, Inc. does not guarantee the accuracy or completeness thereof. Rupert, Gibbon & Spider, Inc. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

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National Chemical Inventories:	
All components of this product are listed on the following chemical substance inventories: TSCA (USA)	
DSL	(Canada)
EINECS	(Europe)
ENCS	(Japan) ECL
	(Korea)
AICS	(Australia) NZIoC
	(New Zealand)
PICCS	(Philippines)
IECSC	(China)

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Abbreviations:	
ACGIH	American Conference of Governmental Industrial Hygienists
ADR	International carriage of Dangerous goods by Road
AICS	Australian Inventory of Chemical Substances
ATE	Acute Toxicity Estimate
BfR	Bundesinstitut für Risikobewertung recommendations for food contact materials
BCF	Bioconcentration Factor
BOD5	5-day Biochemical Oxygen Demand
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CLP	Classification, Labeling and Packaging regulation
COD	Chemical Oxygen Demand DOT Department of Transportation DSL Domestic Substances List
EINECS	European Inventory of Existing Chemical Substances
ECL	Existing Chemicals List (Korea)
ENCS	Existing and New Chemical Substances Inventory (Japan)
EN 689	Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy.
ERG	Emergency Response Guide
GHS	Globally Harmonized System
HMIS	Hazardous Materials Information System IARC International Agency for Research on Cancer IATA International Air Transport Association
ICAO	International Civil Aviation Organization IDLH Immediately Dangerous to Life and Health IMDG International Maritime Dangerous Goods
LD50	Lethal Dose to 50% of test animal population
MAK	Maximale Arbeitsplatz Konzentration
NTP	National Toxicology Program
OEL	Occupational Exposure Limit
OSHA	Occupational Safety & Health Administration
PBT	Persistent, Bioaccumulative and Toxic vPvB Very Persistent and Very Bioaccumulative PEL Permissible exposure limit
PICCS	Philippine Inventory of Commercial Chemical Substances
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemical Substances
RID	International carriage of dangerous goods by Rail SARA Superfund Amendments and Reauthorization Act STEL Short Term Exposure Limit
SVHC	Substance of Very High Concern
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
VOC	Volatile Organic Compound
WGK	Wassergefährdungsklasse (Water Hazard Class) WHMIS Workplace Hazardous Material Identification System