



# SAFETY DATA SHEET

Carrageenan

SDS #: 1253-B  
Revision date: 03-31-2016  
Version 1

---

## 1. PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product Identifier

**Chemical name** Carrageenan

**Product Name** Carrageenan

**Synonyms** Carrageenan: Carrageenan, Irish moss, Chondrus extract; Seaweed flour

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Recommended Use:** Foodstuff application

### 1.3 Details of the supplier of the safety data sheet

**Manufacturer/Supplier**

Rupert, Gibbon, &Spider  
1147 Healdsburg Avenue  
Healdsburg CA 95448  
707-433-9577  
service@jacquardproducts.com

### 1.4 Emergency telephone number

For leak, fire, spill or accident emergencies,  
call 800 1 262 8200 (CHEMTREC- U.S.A.)

**2. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture

Regulation (EC) No 1272/2008

This substance is not classified in accordance with Directive 1272/2008.

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

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

2.2 Label Elements

Signal word: Not classified

2.3 OTHER INFORMATION

General Hazards Contact with eyes may cause transient irritation. Inhalation of dust in high concentration may cause irritation of respiratory system.  
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.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Carrageenan**

Chemical name	EC-No	CAS-No	Weight%	EU -DSD Classification (671548)	Classification (Reg. 1272/2008)	REACH registration number
Carrageenan	Present	9000-07-1	100	-		-

**4. FIRST AID MEASURES**4.1 Description of first-aid measures

Skin Contact Wash off immediately with plenty of water.  
 Eye Contact Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.  
 Inhalation Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. Consult a physician.  
 Ingestion Never give anything by mouth to an unconscious person. Drink plenty of water. Get medical attention immediately if symptoms occur.  
 Protection of first-aiders Use personal protective equipment.

4.2 Most important symptoms and effects, both acute and delayedMost important symptoms and effects, None known  
both acute and delayed4.3 Indication of immediate medical attention and special treatment needed, if necessary

Indication of immediate medical attention and special treatment needed, if necessary Treat symptomatically.

---

### 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

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. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

### 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. For personal protection see section 8.

### 6.2 Environmental Precautions

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 up and shovel into suitable containers for disposal

### 6.4 Reference to other sections.

See section 13 for disposal information.

## **7. HANDLING AND STORAGE**

### 7.1 Precautions for Safe Handling

Avoid dust formation in confined areas. Wear personal protective equipment. In case of insufficient ventilation, wear suitable respiratory equipment if release of airborne dust is expected. Refer to Section 8.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat.

#### Materials to avoid

NA

### 7.3 Specific end uses

Exposure scenario

No information available

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters**

**Exposure Limits** Contains no substances with occupational exposure limit values

**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. These recommendations apply to the product as supplied.

**Respiratory Protection**

Local nuisance dust standards apply. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

**Eye/Face Protection**

Safety glasses

**Skin and Body Protection**

No special precautions required.

**Hand Protection**

No special precautions required.

**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**

<b>Appearance</b>	Dry powder
<b>Physical State</b>	Dry powder
<b>Odor</b>	Slight marine
<b>Odor threshold</b>	No information available
<b>pH</b>	No information available 7.0- 10.5 (1.5% solution)
<b>Flash point</b>	No information available
<b>Melting Point/Range</b>	No information available
<b>Freezing Point</b>	No information available
<b>Boiling Point/Range</b>	No information available
<b>Auto ignition temperature</b>	No information available
<b>Vapor pressure</b>	No information available
<b>Vapor density</b>	No information available 1 @ 20 °C <i>glee</i>
<b>Partition coefficient</b>	No information available
<b>Water solubility</b>	No information available
<b>Viscosity</b>	No information available
<b>Evaporation Rate</b>	No information available

**9.2 OTHER INFORMATION****10. STABILITY AND REACTIVITY****10.1 Reactivity**

None under normal use conditions.

**10.2 Chemical Stability**

Stable under normal conditions.

### 10.3 Possibility of Hazardous Reactions

None under normal processing.

### 10.4 Conditions to avoid

Excessive heat. Humid air.

### 10.5 incompatible materials

None in particular.

### 10.6 Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating and toxic gases and vapors: Sulfur oxides.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

LDSODermal	NA
LDSOOral	NA
LCSO Inhalation	NA
Skin Contact	NA
Eye Contact	NA
Inhalation	NA
Ingestion	NA

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Carrageenan	5400 mg/kg	>2000 mg/kg	>0.93 mg/1 (4h)

\*No mortality was observed at the maximum attainable concentration.

#### Chronic toxicity

Sensitization	Did not cause sensitization
Target organ effects	None
Carcinogenicity	Contains no ingredient listed as a carcinogen.
Mutagenicity	Not mutagenic
Reproductive toxicity	No toxicity to reproduction

## 12. ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity

#### Ecotoxicity effects

Not expected to have significant environmental effects. Carrageenan is an extract of seaweeds of the class Rhodophyceae (red seaweeds).

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

Bioaccumulation is unlikely.

**12.4 Mobility in soil**

No information available.

**12.5 Results of PBT and vPvB assessment**

This product is not considered to be persistent, bioaccumulating nor toxic (PBT)

**12.6 Other Adverse Effects**

None known.

**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**

ADRIRID NOT REGULATED

IMDG/IMO NOT REGULATED

ICAO/IATA NOT REGULATED

**15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****International Inventories**

Chemical name	TSCA (United States)	DSL (Canada)	EINECS/ELI NCS (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)	NZIoC (New Zealand)
Carrageenan 9000-07-1	X	X	X	-	X	-	X	X	X

**15.2 Chemical Safety Report**

No information available. A Chemical Safety Assessment has not yet been completed for this substance.

**16. OTHER INFORMATION****Full text of R-phrases referred to under sections 2 and 3**

No information available

**Recommended Use:** Foodstuff application**Revision date:** 2014-09-24**Revision note** SDS sections updated.

Disclaimer

Rupert, Gibbon & Spider, Inc. Corporation believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. NOWARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specified product designated and may not be applicable where such product is used in combination with any other materials or in any process. Further, since the conditions and methods of use are beyond the control of Rupert, Gibbon & Spider, Inc. Corporation, Rupert, Gibbon & Spider, Inc. corporation expressly disclaims any and all liability as to any results obtained or arising from any use of the products or reliance on such information.