



Safety Data Sheet

4309 Carrageenpulver

This safety data sheet complies with the requirements of Regulation (EC) No.

1907/2006

COMMISSION REGULATION (EU) No. 2015/830

Issue Date: 22/Jul/2019

Print Date: 22/Jul/2019

Revision Number: 1.3.1

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

1.1. Product identifier

Product Name: 4309 Carrageenpulver

Pure substance/mixture Substance

Chemical Name	CAS Number	REACH registration number	EC No	(CLP) Regulation (EC 1272/2008)	% by Wt
Carrageenan	9000-07-1	Exempt	232-524-2	Not classified	--

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

Recommended Use Stabilizer Thickening agent

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Company: Naturkosmos AB
Ullevi Enestorp 3
594 91 Gamleby
Sweden
Tel: +46 (0)493 53999

Internet www.naturkosmos.com

E-mail info@naturkosmos.se

1.4. Emergency telephone number 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Pure substance/mixture Substance

(CLP) Regulation (EC 1272/2008) Not classified



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Hazards Identification

Physical Hazard Not classified

Health Hazards Not classified

Environmental Hazard Not classified

2.2. Label elements

Symbols/Pictograms None.

Signal Word None

Hazard Statements None

Precautionary Statements

Prevention Employ good industrial hygiene practice. Wash hands thoroughly after handling. Do not handle until all safety precautions have been read and understood. Combustible dust may form combustible (explosive) dust-air mixtures. Take precautionary measures against static discharges.

Response IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of soap and water.

Storage Keep in a dry place. Store away from incompatible materials.

Disposal Dispose of contents/containers in accordance with local regulations.

2.3. Other hazards Warning. COMBUSTIBLE DUST MAY FORM COMBUSTIBLE (EXPLOSIVE) DUST-AIR MIXTURES. Material becomes extremely slippery when wet.

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance

Chemical Name	CAS Number	EC No	REACH registration number	(CLP) Regulation (EC 1272/2008)	% by Wt
Carrageenan	9000-07-1	232-524-2	Exempt	Not classified	--

Legend

Exempt or - : this substance or its uses are exempted from REACH registration or no REACH registration obligation as annual tonnage <1tpa.

SECTION 4: First aid measures

4.1. Description of first aid measures



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General Advice

Employ good industrial hygiene practice. Wear suitable protective clothing, gloves and eye/face protection. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. When in doubt or if symptoms are observed, get medical advice.

Eye Contact

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Skin Contact

Wash with plenty of soap and water.

Ingestion

Rinse mouth thoroughly with water.

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2. Most important symptoms and effects, both acute and delayed

Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical irritation or drying of the skin.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing agent suitable for type of surrounding fire. Water spray (fog). Dry chemical. Foam. Carbon dioxide (CO₂).

Unsuitable Extinguishing Media

None known.

5.2. Special hazards arising from the substance or mixture

Avoid dust formation. Do not breathe dust.

Hazardous Combustion Products

Carbon dioxide
Carbon monoxide

5.3. Advice for firefighters

Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Fire-fighting measures

COMBUSTIBLE DUST MAY FORM COMBUSTIBLE (EXPLOSIVE) DUST/AIR MIXTURES.

SECTION 6: Accidental release measures

6.1. Personal precautions,

Use only non-sparking tools. Dust deposits should not be allowed to accumulate



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protective equipment and emergency procedures

on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Keep unauthorized personnel away. Do not breathe dust. Use personal protection recommended in Section 8.

For non-emergency personnel Keep unauthorized personnel away.

For emergency responders Keep unauthorized personnel away. Use personal protection recommended in Section 8.

6.2. Environmental precautions Avoid runoff to waterways and sewers. Dispose of in accordance with federal, state and local regulations.

6.3. Methods and material for containment and cleaning up Large Spill: Do not dry sweep dust. Wet dust with water before sweeping or use a vacuum to collect dust Small Spill: Vacuum or sweep material and place in a disposal container

6.4. Reference to other sections Section 8: Exposure controls and personal protection. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Minimize dust generation and accumulation. Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe). Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid contact with skin, eyes or clothing. Avoid prolonged contact with material. Use personal protection recommended in Section 8. Employ good industrial hygiene practice.

7.2. Conditions for safe storage, including any incompatibilities Keep container tightly closed and dry. Store away from incompatible materials. See section 10.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Carrageenan - 9000-07-1

ACGIH

Not established

OSHA

Not established

Biological Limit Values:

None

Recommended monitoring procedures

Refer also to national guidance documents for information on currently recommended monitoring procedures

Derived No Effect Level (DNEL) No information available

Predicted No Effect No information available



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Concentration (PNEC)

8.2. Exposure controls

Engineering Measures

Ensure adequate ventilation, especially in confined areas. Provide a good standard of controlled ventilation (10 to 15 air changes per hour).

Personal protective equipment

Eye/Face Protection

Wear safety glasses with side shields (or goggles).

Skin and Body Protection

Wear suitable protective clothing.

Hand Protection

Wear suitable gloves.

Respiratory Protection

In case of inadequate ventilation wear respiratory protection.

Thermal hazards

Wear suitable protective clothing.

Hygiene Measures

Follow general hygiene considerations recognized as common good workplace practices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	Solid Powder
Color	White , Yellowish , Light grayish , Light brownish
Odor	Odorless
Odor Threshold	No information available
pH:	8.0 - 11.0 (1 % solution)
Melting Point / Melting Range	No data available
Boiling Point	No information available
Freezing Point	Not applicable
Flash Point:	Not applicable
Evaporation Rate	No data available
Flammability (solid, gas)	-
Flammability Limit in Air	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Water Solubility	Soluble
Partition coefficient	No data available
Viscosity	No information available
Specific Gravity	No data available
Explosive Properties	No information available
Oxidizing Properties	No data available
VOC Content (%)	Not applicable
Decomposition Temperature	No data available

SECTION 10: Stability and reactivity



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10.1. Reactivity	None
10.2. Chemical stability	Stable under normal conditions
10.3. Possibility of hazardous reactions	No specific hazard known
10.4. Conditions to avoid	Keep away from heat, sparks and flame.
10.5. Incompatible materials	Strong oxidizing agents.
10.6. Hazardous decomposition products	None known

SECTION 11: Toxicological information

General Information Users are advised to consider national Occupational Exposure Limits or other equivalent values.

Information on Likely Routes of Exposure

Inhalation	Do not breathe dust.
Skin	Not a skin sensitizer. Prolonged or repeated contact may dry skin and cause irritation.
Eyes	Dust contact with the eyes can lead to mechanical irritation.
Ingestion	Ingestion is not a likely route of exposure.

11.1. Information on toxicological effects

Carrageenan - 9000-07-1

Oral LD50 5400 mg/kg Rat

Acute Toxicity	Not classified.
Chronic Toxicity	No evidence of mutagenic, reproductive or carcinogenic effects.
Chronic Effects	Based on available data, the classification criteria are not met
Reported Human Effects	No evidence of mutagenic, reproductive or carcinogenic effects.
Serious eye damage/eye irritation	Dust may cause mechanical irritation to eyes Based on available data, the classification criteria are not met
Respiratory Sensitization	Based on available data, the classification criteria are not met. Inhalation of dust in high concentration may cause irritation of respiratory system.
Skin Corrosion/Irritation	Based on available data, the classification criteria are not met. Contact with dust can cause mechanical irritation or drying of the skin.
Skin Sensitization	Based on available data, the classification criteria are not met. Not a skin



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sensitizer.

Mutagenicity

Based on available data, the classification criteria are not met.

Reproductive Toxicity

Based on available data, the classification criteria are not met

Carcinogenicity

Based on available data, the classification criteria are not met.

Target Organ Effects

No information available

**Specific target organ toxicity -
Single exposure**

No information available

**Specific target organ toxicity -
Repeated exposure**

No information available

SECTION 12: Ecological information

12.1. Ecotoxicity

Not considered to be harmful to aquatic life.

**12.2. Persistence and
degradability**

Readily biodegradable.

12.3. Bioaccumulative potential

No data available.

Partition coefficient

No data available.

**Bioconcentration factor
(BCF)**

Not available.

12.4. Mobility in soil

No data available.

**12.5. Results of PBT and vPvB
assessment**

This substance does not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

None known

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Contaminated Packaging

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

Waste codes

Waste codes should be assigned by the user based on the application for which the product was used

Disposal Methods

Dispose of waste product or used containers according to local regulations

Carrageenan - 9000-07-1

European Waste Catalog 160306



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SECTION 14: Transport information

Mode of Transportation (Road, Water, Air, Rail)

TDG -Canada	Not regulated
US DOT	Not regulated
ADR	Not regulated
RID	Not regulated
ADN	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated
ICAO	Not regulated

- 14.1. UN number None
- 14.2. UN proper shipping name None
- 14.3. Transport hazard class(es) None
- 14.4. Packing group None
- 14.5. Environmental hazards No
- 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

SECTION 15: Regulatory information

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

Global Inventories

Chemical Name	CAS Number	EC No	REACH registration number	Australia (AICS)	Canada (DSL)	China (IECSC)	Japan	S. Korea (KECL)	Mexico	New Zealand	Philippines (PICCS)	Taiwan	TSCA: United States
Carrageenan	9000-07-1	232-524-2	Exempt	Y	Y	Y	N	KE-14-0067	Y	Y	Y	Y	A

Legend

X / Y: Complies ; A: Active ; - / N: Exempt / Not Listed

Chemical safety assessment Not required

SECTION 16: Other information



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Reason for Revision

COMMISSION REGULATION (EU) No. 2015/830

Hazards identification

(CLP) Regulation (EC 1272/2008)

Not classified

Physical Hazard

Not classified

Health Hazards

Not classified

Environmental Hazard

Not classified

Labeling

Symbols/Pictograms

None

Signal Word

None

Hazard Statements

This product is not classified as hazardous according to the UN GHS guideline and labeling is not required
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)
Combustible dusts

Hazards not otherwise classified (HNOC)

COMBUSTIBLE DUST MAY FORM COMBUSTIBLE (EXPLOSIVE) DUST/ AIR MIXTURES.

Training Advice

Do not handle until all safety precautions have been read and understood.

Abbreviations and acronyms

International Agency for Research on Cancer (IARC)
International Air Transport Association (IATA)
International Maritime Dangerous Goods (IMDG)
International Uniform Chemical Information Database (IUCLID)
Workplace Hazardous Materials Information System (WHMIS) status and classification
EPA SARA Title III Section 312 (40 CFR 370) Hazard Classification
DOT (Department of Transportation)
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
TWA - Time-Weighted Average
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA)
The Classification, Labeling and Packaging of Substances and Mixtures (CLP) Regulation (EC 1272/2008)
PPE - Personal Protection Equipment
NIOSH - National Institute for Occupational Safety and Health
TDG (Transport of Dangerous Goods) Canada
CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act)
Reportable Quantity (RQ) (RQ/% in mixture)
STEL - Short Term Exposure Limit
TLV® - Threshold Limit Value
Derived No Effect Level (DNEL)
SVHC: Substances of Very High Concern for Authorization:
Land transport (ADR/RID)
Biochemical oxygen demand (BOD)
Chemical oxygen demand (COD)
ICAO (air)
(IMDG) International Maritime Dangerous Goods
Positive Pressure Self-Contained Breathing Apparatus (SCBA)
Predicted No Effect Concentration (PNEC)
Globally Harmonized System (GHS)



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Disclaimer

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End of Safety Data Sheet