



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 of the European Parliament and of the Council (REACH) as amended

Karagenan

Creation date February 13, 2019

Date of revision

Version number

1.0

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

1.1 Product identifier

Substance / mixture

Number

Chemical Name

Karagenan

substance

Karagenan

Latin name: Carrageen

botanical name: puchratka spp

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

Intended use of the substance

Raw material for the production of cosmetic products.

Unrecommended use of the substance

The product must not be used in ways other than those are listed in Section 1.

Chemical Safety Report

1.3 Detailed data on the supplier of the safety data sheet

Supplier

Name or business name

Address

Identification number (IĽO)

Phone

E-mail

Website address

Ekokoza s.r.o

Fryšovice 297, Fryšovice, 73945

Czech Republic

07508247

605779993

obchod@ekokoza.cz

www.ekokoza.cz

Distributor

Name or business name

Address

Identification number (IĽO)

Phone

E-mail

Website address

Ekokoza s.r.o

Fryšovice 297, Fryšovice, 73945

Czech Republic

07508247

605779993

obchod@ekokoza.cz

www.ekokoza.cz

Importer

Name or business name

Address

Identification number (IĽO)

Phone

E-mail

Website address

Ekokoza s.r.o

Fryšovice 297, Fryšovice, 73945

Czech Republic

07508247

605779993

obchod@ekokoza.cz

www.ekokoza.cz

E-mail address of the professionally qualified person responsible for the safety data sheet

Name

Email

Ekokoza s.r.o

obchod@ekokoza.cz

1.4 Phone number for emergencies

Toxicology Information Center, Na Bojišti 1, Prague, Tel.: 224 919 293 or 224 915 402, Information only for health risks – acute poisoning of people and animals.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification of the substance according to Regulation (EC) No. 1272/2008

The substance is not classified as dangerous according to Regulation (EC) No. 1272/2008.

The full text of all classifications and H-phrases is given in section 16.

2.2 Marking elements



SAFETY DATA SHEET

according to Regulation of the European Parliament and Council (EC) No. 1907/2006
(REACH) as amended **Karagenan**

Creation date February 13, 2019
Date of revision none
Version number 1.0

- 2.3 Other hazards** The mixture does not contain substances meeting the criteria for PBT or vPvB substances in accordance with Annex XIII, Regulation (EC) no. 1907/2006 (REACH) as amended.

SECTION 3: Composition/information on ingredients

3.1 Substances Chemical				
characterization Mixture of substances and additives listed below.				
Identification numbers	Substance name	Content in % weight i	Classification according to Regulation (EC) No. 1272/2008	Note
	the main component of a substance Karagenan	100		

The full text of all classifications and H-phrases is given in section 16.

SECTION 4: First aid measures Description

- 4.1 of first aid measures**
Take care of your own safety. In case of health problems or in case of doubt, notify the doctor and provide him with the information from this safety data sheet.
In case of inhalation Stop exposure immediately, move victim to fresh air.
In case of skin contact Remove contaminated clothing.
In case of contact with the eyes, immediately flush the eyes with a stream of running water, open the eyelids (perhaps by force); if the victim wears contact lenses, remove them immediately.
If swallowed
Rinse mouth with clean water. In case of difficulties, consult a doctor.
- 4.2 Most important symptoms and effects, both acute and delayed**
Inhalation Not expected.
In contact with the skin Not expected.
In case of eye contact
contact Not expected.
Ingestion
Not expected.
- 4.3 Indication of immediate medical attention and special treatment** Symptomatic treatment.

SECTION 5: Fire-fighting measures 5.1 Extinguishing media

- Suitable fire extinguishers**
Match fire extinguishers to the surroundings of the fire.
- Unsuitable fire extinguishers**
not specified
- 5.2 Special hazards arising from the substance or mixture** In case of fire, the formation of carbon monoxide and carbon dioxide and other toxic gases may occur. Inhalation of dangerous decomposition (pyrolysis) products can cause serious damage to health.
- 5.3 Instructions for firefighters**
Self-contained breathing apparatus and gloves resistant to chemical substances. Use self-contained breathing apparatus and a full-body protective suit.



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 of the European Parliament and of the Council (REACH) as amended

Karagenan

Creation date February 13, 2019
Date of revision

Version number 1.0

SECTION 6: Accidental release measures

6.1 Personal protection measures, protective equipment and emergency procedures

Follow the instructions in Sections 7 and 8.

6.2 Environmental protection measures

Avoid soil contamination and release to surface or ground water.

6.3 Methods and material for containment and cleaning up

Collect the product mechanically in a suitable way. Dispose of the collected material according to the instructions in section 13.

6.4 Reference to Other Sections

See section 7, 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use personal protective equipment according to section 8. Observe applicable safety legislation a health protection.

7.2 Conditions for safe storage of substances and mixtures, including incompatible substances and mixtures

Store in tightly closed containers in cool, dry and well-ventilated places designated for this purpose.

7.3 Specific end/specific end uses

not specified

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

none

8.2 Limiting Exposure

Do not eat, drink or smoke while working. Wash your hands thoroughly with water after work and before breaks for meals and rest soap.

Eye and face protection

Not necessary.

Skin protection

Use protective gloves for prolonged or repeated contact.

Respiratory protection

Not necessary.

Thermal hazard

Not listed.

Limiting environmental exposure

Observe the usual environmental protection measures, see point 6.2.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

appearance

state color

Brown

odor

characteristic

odor threshold pH melting

the data is not available

point / freezing point initial

the data is not available

boiling point and boiling point range flash point

the data is not available

evaporation

the data is not available

rate flammability

not applicable

(solids, gases) upper/lower

the data is not available

flammability or explosive limits

Flammability limits

the data is not available

Explosive limits

the data is not available

Vapor pressure

the data is not available



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 of the European Parliament and of the Council (REACH) as amended

Karagenan

Creation date February 13, 2019

Date of revision

Data version 1.0

vapor density

number is not available

relative density

the data is not available

solubility

water solubility fat solubility

the data is not available

partition coefficient: n-

the data is not available

octanol/water autoignition temperature decomposition

the data is not available

temperature viscosity

the data is not available

explosive properties

the data is not available

oxidizing

the data is not available

properties

the data is not available

the data is not available

9.2 More information

density

ignition temperature

SECTION 10: Stability and reactivity

10.1 Reactivity

not specified

10.2 Chemical stability

The product is stable under normal conditions.

10.3 Possibility of hazardous reactions

They are not known.

10.4 Conditions to Avoid

Under normal use, the product is stable, does not decompose. Protect from flames, sparks, overheating and before frost.

10.5 Incompatible Materials

Protect from strong acids, bases and oxidizing agents.

10.6 Hazardous decomposition products

They do not arise under normal use. At high temperatures and in case of fire, dangerous products are formed, such as eg carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

No toxicological data are available for the mixture.

Acute toxicity

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

Skin corrosion/irritation

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

Serious eye damage / eye irritation

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

Respiratory sensitization / skin sensitization

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

Germ cell mutagenicity

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

Carcinogenicity

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

SAFETY DATA SHEET



according to Regulation of the European Parliament and Council (EC) No. 1907/2006
(REACH) as amended **Karagenan**

Creation date February 13, 2019
Date of revision

Version number 1.0

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

Specific target organ toxicity - single exposure Based on available data, the classification criteria are not met.

Specific target organ toxicity - repeated exposure Based on available data, the classification criteria are not met.

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

SECTION 12: Ecological information

12.1 Toxicity

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

12.2 Persistence and degradability Data not available.

12.3 Bioaccumulative potential Not stated.

12.4 Mobility in soil
Not listed.

12.5 Results of PBT and vPvB assessment

The product does not contain substances meeting the criteria for PBT or vPvB substances in accordance with Annex XIII, Regulation (EC) no. 1907/2006 (REACH) as amended.

12.6 Other adverse effects Not specified.

SECTION 13: Disposal instructions 13.1 Waste

management methods Risk of environmental

contamination, proceed according to Act No. 185/2001 Coll. on waste, as amended, and according to implementing regulations on waste disposal. Follow the applicable waste disposal regulations.

Place the unused product and the contaminated packaging in marked containers for waste collection and hand it over to an authorized person for waste disposal (a specialized company) that is authorized for this activity. Do not pour the unused product down the drain. It must not be disposed of together with municipal waste. Empty packaging can be used for energy in a waste incinerator or stored in a landfill of the appropriate classification. Perfectly cleaned packaging can be sent for recycling.

Legal regulations on waste Act No.

185/2001 Coll., on waste, as amended. Decree No. 383/2001 Coll., on the details of waste management, as amended. Decree No. 93/2016 Coll., (waste catalog) as amended. Decree No. 94/2016 Coll., on the assessment of hazardous waste properties, as amended.

SECTION 14: Transport information 14.1 UN number

Not subject to ADR regulations.

14.2 Official (UN) shipping name not given

14.3 Transport hazard class(es) not specified

14.4 Packaging group not specified

14.5 Environmental hazard
not specified



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 of the European Parliament and of the Council (REACH) as amended

Karagenan

Creation date February 13, 2019

Date of revision

Version number

1.0

14.6 Special security measures for users

Reference in sections 4 to 8.

14.7 Bulk transport according to Annex II of the MARPOL Convention and the IBC Regulation

not specified

SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations/substance-specific legislation or mixtures

Regulation of the European Parliament and of the Council (EC) No. 1907/2006 of 18 December 2006 on registration, assessment, authorization and restriction of chemical substances, on the establishment of the European Agency for Chemical Substances, on the amendment of the directive 1999/45/EC and on the repeal of Council Regulation (EEC) No. 793/93, Commission Regulation (EC) No. 1488/94, Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended. Regulation of the European Parliament and of the Council (EC) No. 1272/2008 of 16 December 2008 on classification, labeling and packaging of substances and mixtures, on the amendment and repeal of Directives 67/548/EEC and 1999/45/EC and on the amendment of Regulation (EC) No. 1907/2006 as amended. Law no. 350/2011 Coll., on chemical substances and chemical mixtures and on the amendment of certain laws (chemical law). Law no. 258/2000 Coll., on the protection of public health as amended. Government Regulation No. 361/2007 Coll., which establishes health protection conditions at work as amended. Decree No. 415/2012 Coll., on the permissible level of pollution and its investigation and implementation of some other provisions of the Air Protection Act as amended. Act No. 185/2001 Coll., on waste and its implementing regulations as amended. Act No. 201/2012 Coll., on air protection in force wording. Decree No. 432/2003 Coll., which establishes the conditions for classifying works into categories, limit values indicators of biological exposure tests, conditions for taking biological material for conducting biological tests of exposure tests and requirements for reporting work with asbestos and biological agents as amended.

15.2 Chemical safety assessment

not specified

SECTION 16: Further information

Additional information important from the point of view of safety and protection of human health

The product may not - without the special consent of the manufacturer/importer - be used for a purpose other than that specified in section 1.

The user is responsible for compliance with all related health regulations.

Legend to abbreviations and acronyms used in the safety data sheet

ADR European Agreement on the International Carriage of Dangerous Goods by Road

BCF Bioconcentration factor

TIME Chemical Abstracts Service

CLP Regulation (EC) No. 1272/2008 on classification, labeling and packaging of substances and mixtures

TODAY The derived level at which no adverse effects occur

EC₅₀ The concentration of a substance at which 50% of the population is affected

EINECS European list of existing traded chemical substances

EmS Contingency plan

EC The EC number is a numerical identifier of substances on the EC list

EU European Union

IATA International Air Transport Association

IBC International Code for the Construction and Equipment of Ships Carrying Dangerous Goods in Bulk chemicals

IC₅₀ Concentration causing 50% blockade

ICAO International Civil Aviation Organization

IMDG International maritime transport of dangerous goods

INCI International nomenclature of cosmetic ingredients

ISO International Organization for Standardization

IUPAC International Union of Pure and Applied Chemistry

LC₅₀ Lethal concentration of a substance that can be expected to cause the death of 50% of the population

LD₅₀ Lethal dose of a substance that can be expected to cause the death of 50% of the population

LOAEC The lowest concentration with an observed adverse effect

LOAEL The lowest dose with an observed adverse effect

log K_{ow} Octanol-water partition coefficient

MARPOL International Convention for the Prevention of Pollution from Ships

NOAEC Concentration with no observed adverse effect

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 of the European Parliament and of the Council (REACH) as amended

Karagenan

Creation date	February 13, 2019	Version number	1.0
Date of revision			
NOAEL	No-observed-adverse-effect dose value		
NOEC	Concentration without observed effects		
CHRISTMAS	No-observed-effect dose value		
NPK	The highest permissible concentration		
OEL	Exposure limits in the workplace		
PBT	Persistent, bioaccumulative and toxic		
PEL	Permissible exposure limit		
PNEC	An estimate of the concentration at which no adverse effects occur		
ppm	Number of particles per million (millionth)		
REACH	Registration, evaluation, authorization and restriction of chemical substances		
RID	Agreement on the carriage of dangerous goods by rail		
UN	The four-digit identification number of the substance or article taken from the UN Model Regulations		
UVCB	A substance of unknown or variable composition, a complex reaction product, or biological material		
VOCs	Volatile organic compounds		
vPvB	Highly persistent and highly bioaccumulative		

Training Guidelines

Familiarize workers with the recommended method of use, mandatory protective equipment, first aid and prohibited manipulations with the product.

Recommended use restrictions

not specified

Information on data sources used in compiling the safety data sheet

Regulation of the European Parliament and of the Council (EC) No. 1907/2006 (REACH) as amended. Regulation of the European of the Parliament and the Council (EC) No. 1272/2008 as amended. Act No. 350/2011 Coll., on chemical substances and chemical mixtures as amended. Principles for providing first aid in case of exposure to chemical substances (Doc. MUDr. Daniela Pelclová, CSc., MUDr. Alexandr Fuchs, CSc., MUDr. Miroslava Hornychová, CSc., MUDr. Zdeňka Trávníčková, CSc., Jijína Fridrichovská, prom. chem.). Data from the manufacturer of the substance/mixture, if available - data from the registration documentation.

Declaration

The safety data sheet contains information to ensure safety and health protection at work and environmental protection. The given data correspond to the current state of knowledge and experience and are in accordance with valid legal regulations. They cannot be considered as a guarantee of suitability and usability of the product for a specific application.