

# SAFETY DATA SHEET

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



## Xanthan gum

Creation date 09 February 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 Xanthan gum  
Number substance  
Chemical Name INCI xanthan gum  
CAS Xanthan gum  
Number EC Number (EINECS) 11138-66-2  
234-394-2
- 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 Ekokoza s.r.o  
Address Fryčovice 297, Fryčovice, 73945  
Czech Republic  
Identification number (IyO) 07508247  
Phone 605779993  
E-mail obchod@ekokoza.cz  
Website address www.ekokoza.cz  
**Distributor**  
Name or business name Ekokoza s.r.o  
Address Fryčovice 297, Fryčovice, 73945  
Czech Republic  
Identification number (IyO) 07508247  
Phone 605779993  
E-mail obchod@ekokoza.cz  
Website address www.ekokoza.cz  
**E-mail address of the professionally qualified person responsible for the safety data sheet**  
Name Ekokoza s.r.o  
E-mail obchod@ekokoza.cz
- 1.4 Telephone 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**  
**Hazardous substance**  
Xanthan Gum (ES: 234-394-2; CAS: 11138-66-2)
- 2.3 Another danger**  
The substance does not meet the criteria for PBT or vPvB substances in accordance with Annex XIII, Regulation (EC) No. 1907/2006 (REACH) in valid wording.

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### SECTION 3: Composition/information on ingredients

#### 3.1

##### Substances Chemical

**characterization** The substance listed below.

Identification numbers	Substance name	Content in % weight i	Classification according to Regulation (EC) No. 1272/2008	Note
CAS: 11138-66-2 EC: 234-394-2	the main component of a substance Xanthan gum	100		

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

### SECTION 4: First aid measures Description of

#### 4.1

##### first aid measures Take

care of your own safety. In case of health problems or in case of doubt, inform the doctor and give him 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

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 Carbon and carbon

monoxide and other toxic gases may be produced in case of fire. 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.

### SECTION 6: Accidental release measures 6.1 Personal

**precautions, protective equipment and emergency procedures** Follow the instructions in sections 7 and 8.

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### 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	powder
state	solid at 20°C
color	white to yellowish
odor	the data is not available
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
explosion limits	the data is not available
vapor	the data is not available
pressure vapor	the data is not available
density relative	the data is not available
density solubility	
solubility in water	the data is not available

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fat solubility partition  
coefficient: n-octanol/water auto-ignition temperature  
decomposition temperature  
viscosity

number is not available  
the data is not available  
the data is not available  
the data is not available  
the data is not available  
the data is not available

explosive properties  
oxidizing properties  
**9.2 More information**

density  
ignition temperature

the data is not available  
the data is not available

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

The substance is non-flammable.

#### 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 substance.

##### Acute toxicity

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

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Exposure route	Parameter	Value	Exposure time	Species	Sex
Orally	LD <sub>50</sub>	>1000 mg/kg		Mouse	
Orally	LD <sub>50</sub>	>45000 mg/kg		Rat	
Orally	LD <sub>50</sub>	>20000 mg/kg		Dog	

##### 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.

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**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

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### 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, evaluation, 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 the 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., establishing 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 carrying out 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
EC <sub>50</sub>	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
IC <sub>50</sub>	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
LC <sub>50</sub>	Lethal concentration of a substance that can be expected to cause the death of 50% of the population
LD <sub>50</sub>	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 <sub>ow</sub>	Octanol-water partition coefficient
MARPOL	International Convention for the Prevention of Pollution from Ships
NOAEC	Concentration with no observed adverse effect

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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., Jiřina 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.