

Material Safety Data Sheet

According to (EC) No 1907/2006 (REACH) and 1272/2008 (CLP)

EN

FORM-06-14-01 (V00)

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Publication: 11/04/2022

Revision: XX/XX/XXXX

Version: 00



XANTHANI GUMMI

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name: Xanthan gum
Xanthani gummi
Xanthaangom
Gomme xanthane
Xanthangummi
N° CAS: 11138-66-2
N° EC: 234-394-2

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

Identified uses: Active Pharmaceutical Ingredient or Excipient.

1.3 Details of the supplier of the safety data sheet

Company: FAC SECUNDUM ARTEM NV
Oostmalsebaan 1c (unit 5)
2960 Sint-Lenaarts
Belgium
Telephone: (+32) (0)3 457 11 76
Email: info@magis-pharma.be
Web page: www.magis-pharma.be

1.4 Emergency telephone number

Public utility foundation:	Belgisch Antigifcentrum	Centre Antipoisons Belge
Telephone:	(+32) (0)70 245 245	(Service 24/7)
Web page:	www.antigifcentrum.be	www.centreantipoisons.be

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance/mixture

Classification according to (EC) n° 1272/2008

This product does not meet the classification and labelling criteria given in the Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements

Labelling according to (EC) n° 1272/2008

Hazard pictogram(s): Not applicable.
Signal word(s): Not applicable.
Hazard statements: Not applicable.
Precautionary statements: Not applicable.
Additional applicable label elements: Not applicable.

2.3 Other hazards

Not available.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Product name:	Xanthan gum
IUPAC name:	Not available.
Synonyms:	Corn sugar gum Xanthan
N° CAS:	11138-66-2
N° EC:	234-394-2
Molecular Formula:	Not available.
Content:	Minimum 1.5 per cent of pyruvate acetal groups ($C_3H_3O_2$; M_r 71.1) (dried substance)
<p>High-molecular-mass anionic polysaccharide produced by fermentation of carbohydrates with <i>Xanthomonas campestris</i>. It consists of a principal chain of $\beta(1\rightarrow4)$-linked D-glucose units with trisaccharide side chains, on alternating anhydroglucose units, consisting of 1 glucuronic acid unit included between 2 mannose units. Most of the terminal units contain a pyruvate moiety and the mannose unit adjacent to the principal chain may be acetylated at C-6. Xanthan gum has a relative molecular mass of approximately 1×10^6. It exists as the sodium, potassium or calcium salt.</p>	

3.2 Mixtures

Not applicable.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General notes:	In all cases of doubt, or when symptoms persist, seek medical attention.
After inhalation:	Ensure supply of fresh air.
After skin contact:	When in contact with the skin, clean with soap and water.
After eye contact:	In case of contact with eyes rinse thoroughly with water.
After ingestion:	Rinse mouth thoroughly with water.

4.2 Most important symptoms and effects, both acute and delayed

Not available.

4.3 Indication of any immediate medical attention and special treatment needed

Not available.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:	Carbon dioxide. Alcohol-resistant foam. Extinguishing powder. Water spray jet.
Unsuitable extinguishing media:	High power water jet.

5.2 Special hazards arising from the substance/mixture

Combustion products of this material have to be classed invariably as respiratory poison.

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5.3 Advice for firefighters

Surrounding fires:	Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.
Protection against fire:	Use self-contained breathing apparatus.
Hazardous combustion products:	Not available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Use breathing apparatus if exposed to vapours/dust/aerosol. Avoid contact with skin, eyes and clothing. Keep away from sources of ignition.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up dry. Send in suitable containers for recovery or disposal. Clean thoroughly.

6.4 Reference to other sections

Information regarding safe handling, see chapter 7. Information regarding personal protective measures, see chapter 8. Information regarding waste disposal, see chapter 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling:	Avoid the formation and deposition of dust. Remove contaminated clothing. Do not eat, drink or smoke during work time. Do not inhale dust.
Personal protection:	Not available.
Technical protective measures:	Dust can form an explosive mixture with air. Take precautionary measures against static charges. Keep away from sources of ignition and flames.
Handling:	Wash hands before breaks and after work.

7.2 Conditions for safe storage, including any incompatibilities

Storage:	Not available.
Conditions for safe storage, including any incompatibilities:	Keep container tightly closed, cool and dry.
Storage – away from:	Do not store with strong oxidizing agents.

7.3 Specific end use(s)

Active Pharmaceutical Ingredient or Excipient

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No parameters available for monitoring.

8.2 Exposure controls

Appropriate engineering control

Provide good ventilation.

Individual protection measures

Eye/face protection: Safety glasses recommended.

Skin protection: Choose type of clothing used for body protection according to the specific workplace conditions. Check with your supplier the chemical resistance of the personal protective equipment.

Hand protection: Protective gloves (recommended)

Respiratory protection: Use breathing apparatus in dust-laden atmosphere.

Thermal hazards: Not determined.

Environmental exposure control

Do not empty into drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: White or yellowish-white, free-flowing powder.

Odour: Weak.

Odour threshold: Not available.

pH: Value: 6 – 8
Concentration 1 %

Melting/freezing point: Not available.

Initial boiling point: Not available.

Boiling range: Not available.

Flash point: Not available.

Evaporation rate: Not available.

Flammability (solid/gas): Not available.

Upper/lower flammability or explosive limits: Lower: 500 g/m³

Vapour pressure: Not available.

Vapour density: Not available.

Relative density: Not available.

Solubility: Practically insoluble in organic solvents.

Solubility in water: Soluble in water giving a highly viscous solution.

Partition coefficient (n-octanol/water): Not available.

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Auto-ignition temperature: Not available.
Decomposition temperature: > 145 °C
Viscosity: Not available.
Explosive properties: Not available.
Oxidising properties: Not available.

9.2 Other information

Ignition temperature: 420 – 440 °C

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Not available.

10.2 Chemical stability

Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

Danger of dust explosion.

10.4 Conditions to avoid

The product is stable at ambient temperature. Heat, naked flames and other ignition sources.

10.5 Incompatible materials

Oxidizing agents.

10.6 Hazardous decomposition products

Not available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity: Not available.
Skin corrosion/irritation: Not available.
Serious eye damage/irritation: Not available.
Respiratory/skin sensitisation: Not available.
Germ cell mutagenicity: Not available.
Carcinogenicity: Not available.
Reproductive toxicity: Not available.
Summary of evaluation of the CMR properties: Not available.
STOT-single exposure: Not available.
STOT-repeated exposure: Not available.
Aspiration Hazard: Not available.
Other: Not available.

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11.2 Additional information on potential adverse human health effects and symptoms

Eye contact:	Not available.
Skin contact:	Not available.
Inhalation:	Not available.
Ingestion:	Not available.
Aspiration:	Not available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Not available.

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Not available.

12.5 Results of PBT and vPvB assessment

Not available.

12.6 Other adverse effects

Other information: Do not discharge product unmonitored into the environment. Do not allow to enter soil, waterways or waste water canal.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product: Remove in accordance with local official regulations. Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging: Completely discharge containers. Do not reuse product container. Packaging that cannot be cleaned should be disposed of as product waste.

SECTION 14: TRANSPORT INFORMATION

Transport information according to ADR/RID/IMDG/ICAO/IATA

14.1 UN Number

ADR/ RID(Land),IMDG(Sea),
IATA/ICAO (Air) : Not classified.

14.2 UN proper shipping name

ADR/ RID(Land),IMDG(Sea),
IATA/ICAO (Air) : Not classified.

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14.3 Transport hazard class(es)

ADR/ RID(Land),IMDG(Sea),
IATA/ICAO (Air) : Not classified.

14.4 Packing group

ADR/ RID(Land),IMDG(Sea),
IATA/ICAO (Air) : Not classified.

14.5 Environmental hazards

ADR/ RID(Land),IMDG(Sea),
IATA/ICAO (Air) : Not classified.

14.6 Special precautions for user

Not available.

14.7 Transport in bulk according to annex II of Marpol and the IBC Code

Not relevant.

14.8 Additional transport information

The product is not subject to ADR/RID/ADN regulations. The product is not subject to IMDG regulations. The product is not subject to ICAO-TI / IATA regulations.

SECTION 15: REGULATORY INFORMATION

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

Hazard symbol: Not applicable.

Risk phrases: Not applicable.

Safety phrases: Not applicable.

15.2 Chemical safety assessment

Not available.

SECTION 16: OTHER INFORMATION

16.1 Changes since the previous version

Not applicable.

16.2 Abbreviations and acronyms used

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
EC (number):	European Community (number)
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organization
IMDG:	International Maritime Code for Dangerous Goods
IUPAC:	International Union of Pure and Applied Chemistry
PBT:	Persistent, Bioaccumulative and Toxic substance
RID:	Regulations Concerning the International Transport of Dangerous Goods by Rail

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STOT: Specific Target Organ Toxicity
UN (number): United Nations (number)
vPvB: very Persistent and very Bioaccumulative

16.3 Key literature references/sources for data

European Chemicals Agency.
<https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/>

16.4 Method of classification in case of mixture

Not applicable.

16.5 Relevant Hazard statements and/or precautionary statements

For information on hazard and/or precautionary statements refer to section 2 up to and including section 15.

16.6 Training advisement

Not available.

16.7 Notice for user(s)

The information provided in this MSDS has been established in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015, amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council, on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94, as well as Council Directive 76/769/EEC and Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC of the Commission.

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16.8 Department issuing MSDS

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