

Safety information sheet

Version: 1.0 EN

Guar gum 5.000 cps, E 412

Article number: D10462

This document has been prepared as a communication tool to inform downstream users about both the status of the substance under REACH and CLP, some of its essential properties and the guidance on safe use. An extended safety data sheet (SDS) is not required for this substance under Article 31 of REACH Regulation (EC) No 1272/2008, including the amending Regulation (EU) 2020/878. As a result, the format and content of this document does not comply with the framework for safety data sheets set out in Commission Regulation (EU) No 453/2010 amending Regulation (EC) No 1907/2006.

1 Identification of the substance/mixture and the company

1.1 Product identifier

Name	Guar gum 5.000 cps, E 412
CAS number	9000-30-0
EC number	232-536-8
REACH registration	-

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

Description/use	The product is intended for use in food. For information on other possible applications, please contact us at the telephone number provided. We will be happy to connect you with the appropriate contact person.
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1.3 Details of the supplier providing the safety information sheet

Company	DistrEbution GmbH
Adress	Brookdeich 40 21029 Hamburg Germany
Telephone	+49 40 609 2387 60
E-Mail	info@distrebution.com

1.4 Emergency number

+49 40 609 2387 60 (Business hours: Mon - Thu: 8 a.m.- 5 p.m. / Fri: 8 a.m. – 4 p.m.)

2 Potential hazards

2.1 Classification of the substance or mixture

Not classified according to Chemicals Regulation (EC) No.1272/2008.

2.2 Label elements

Not subject to classification according to Regulation (EC) No 1272/2008.

2.3 Other hazards

Not classified as a PBT or vPvB substance according to assessment

3 Composition/information on ingredients

Chemical	Guar gum 5.000 cps, E 412
characterization:	
CAS number	9000-30-0
EC number	232-536-8
REACH registration	-
Hazardous ingredients	none
Nanoparticles	No nanoparticles according to Regulation (EU) 2018/1881

4 First-aid measures

4.1 Description of first-aid measures

If you feel unwell, seek medical advice/attention. If medical advice is needed, have product container or label at hand.

After eye contact

Immediately rinse eyes thoroughly with water for at least 15 minutes. If eye irritation persists: seek medical advice/attention.

After skin contact

Wash skin with plenty of water. If skin irritation or rash occurs: seek medical advice/attention.

Inhalation or ingestion

Remove person to fresh air and allow to breathe comfortably. If respiratory symptoms occur: seek medical advice/attention. Rinse mouth with water. Do not induce vomiting. If you feel unwell, seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No significant hazards are expected under normal conditions of use.

May cause slight irritation to the respiratory tract and other mucous membranes.

May cause slight skin irritation.

May cause eye irritation (redness, itching, tearing, burning).

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May cause slight irritation of the mouth, throat and gastrointestinal mucous membranes.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 Firefighting measures

5.1 Extinguishing agents

Suitable extinguishing agents

Water jet, dry extinguishing agent, foam. Adapt extinguishing media to the environment

Unsuitable extinguishing agents

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5.2 Special hazards arising from the substance or mixture

Product is not flammable.

Product is not explosive.

No known reactivity in case of fire.

Toxic fumes may be released in the event of a fire.

5.3 Advice for firefighters

Protective equipment for firefighters

No special measures required.

Adapt extinguishing measures to the environment.

Do not intervene without suitable protective equipment. Wear self-contained breathing apparatus and full protective clothing.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid dust formation. Avoid inhalation of dust.

Use personal protective equipment in accordance with Section 8.

Ventilate the spilled area.

6.2 Environmental precautions

Avoid release into the environment.

6.3 Methods and material for containment and cleaning up

Pick up spilled material with a shovel or broom and store in a closed container for disposal.

Avoid dust formation.

Dispose of in accordance with local/national regulations.

6.4 Reference to other sections

Personal protective equipment: see Section 8.

Incompatible materials: see Section 10.

Disposal instructions: see Section 13.

7 Handling and storage

7.1 Precautions for safe handling

Ensure adequate ventilation. Avoid dust formation. Avoid contact with skin and eyes.

Use the necessary personal protective equipment.

Wash hands and other exposed areas thoroughly with soap and water after work.

Avoid contact with the product when eating, drinking or smoking.

7.2 Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container closed when not in use. Protect from sunlight and moisture. Keep away from strong oxidising agents.

7.3 Specific end uses

No information available.

8 Exposure controls/personal protective equipment

8.1 Parameters to be monitored

Does not contain any substances with workplace exposure limits.

8.2 Limitation and monitoring of exposure

8.2.1 Appropriate engineering controls

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8.2.2 Individual protection measures, personal protective equipment

Respiratory protection

Wear suitable respiratory protection if ventilation is inadequate.

Use type P1 particle filters (EN 143) for protection against dust.

Hand protection

Wear protective gloves in accordance with EN ISO 374.

Material: Polyvinyl chloride (PVC)

Breakthrough time: > 60 minutes (permeation level 3)

Thickness: 0.5 mm.

Eye protection

Wear safety goggles in accordance with EN 166.

Use clear safety goggles to protect against dust.

Body protection

Wear suitable protective clothing.

8.2.3 Environmental exposure controls and monitoring

Avoid release into the environment.

9 Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Form	Solid, powder
Colour	White
Odour	No data available
pH value	5.0 – 8.0 (1% solution)
Relative evaporation rate (butyl acetate = 1)	No data available
Melting point	No data available
Boiling point	No data available
Flammability	No data available
Flash point	93°C
Ignition temperature	~180°C
Decomposition temperature	No data available
Flammability (solid, gaseous)	Non-flammable
Vapour pressure	No data available
Relative vapour density	No data available
Relative density	No data available
Density	0.6 – 0.8 g/cm ³
Water solubility	Soluble
Partition coefficient n-octanol/water:	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	The product is not explosive

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Oxidising properties

Non-oxidising

Explosion limits

No data available

9.2 Other information

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10 Stability and reactivity

10.1 Reactivity

The product is not reactive under normal conditions of use, storage and transport.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions are known under normal conditions of use.

10.4 Conditions to avoid

Avoid moisture.

10.5 Incompatible materials

Strong acids. Strong bases.

10.6 Hazardous decomposition products

Under normal storage and use conditions, no hazardous decomposition products should be produced.

11 Toxicological information

11.1 Information on hazard classes according to Regulation (EC) No. 1272/2008

Acute toxicity

LD₅₀ oral (rat) = 6,770 mg/kg. LD₅₀ Oral =

8,100 mg/kg. Oral: not applicable.

Inhalation: not applicable. Dermal: not applicable.

Skin corrosion/irritation

No data available.

Serious eye damage/eye irritation

No data available.

Respiratory or skin sensitisation

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

Specific target organ toxicity after single exposure

No data available.

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Specific target organ toxicity after
repeated exposure

No data available.

Aspiration hazard

No data available

Information on likely routes of exposure

No data available

Symptoms related to physical, chemical and toxicological properties

No data available

Interactions

No data available

11.2 Endocrine-disrupting properties

Does not contain any endocrine disruptors (ED) in a concentration of $\geq 0.1\%$.

11.3 Information on other hazards

No data available

12 Environmental information

12.1 Toxicity

The product is not considered harmful to aquatic organisms and does not cause long-term adverse effects in the environment.

No data on aquatic toxicity available.

Classification for water hazard (acute/chronic): Not classified

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Endocrine-disrupting properties

No data available

12.7 Other adverse effects

No known adverse effects of this product. Avoid release to the environment.

13 Disposal instructions

13.1 Waste treatment method

Dispose of in accordance with official regulations.

Dispose of product and container in accordance with the instructions of licensed waste disposal companies.

Dispose of in a safe manner in accordance with local and national regulations.

14 Transport information

14.1 UN number or ID number

Not applicable

14.2 Proper UN shipping name

Not applicable

14.3 Transport hazard classes

Not applicable

14.4 Packaging group

Not applicable

14.5 Environmental hazards

Not applicable

14.6 Special precautions for the user

Land transport	Not applicable
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Sea transport	Not applicable
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Air transport	Not applicable
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Inland waterway transport	Not applicable
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Rail transport	Not applicable
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14.7 Bulk transport by sea in accordance with IMO regulations

The cargo is not transported as bulk cargo

15 Legislation

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

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 (REACH).

Does not contain any substances subject to restrictions under Annex XVII REACH.

Guar Gum Powder 200 mesh is not included in the REACH Candidate List.

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Guar Gum Powder 200 mesh is not listed in Annex XIV (Substances subject to authorisation) of the REACH Regulation.

No further national regulations are known.

15.2 Chemical safety assessment

No substance safety assessment has been carried out for this substance.

16 Other information

16.1 Abbreviations and acronyms

ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road

RID – Regulations concerning the International Carriage of Dangerous Goods by Rail

IMDG – International Maritime Dangerous Goods Code

IATA – International Air Transport Association

GHS – Globally Harmonised System of Classification and Labelling of Chemicals

EINECS – European Inventory of Existing Commercial Chemical Substances

CAS – Chemical Abstracts Service

EC50 – Effective concentration, 50%

LC50 – Lethal concentration, 50%

LD50 – Lethal dose, 50%

TWA – Time Weighted Average

STEL – Short Term Exposure Limit

PBT – Persistent, Bioaccumulative and Toxic

vPvB – Very Persistent and Very Bioaccumulative

16.2 SVHC

The substances on the ECHA list (<http://echa.europa.eu/en/candidate-list-table>) are neither expected to be present in our products nor are they intentionally used in the production process. Our products do not come into contact with these substances during production. However, it is not possible to completely rule out traces of these substances: due to natural impurities or raw material-related properties, an unintentional content of less than 0.1% cannot be completely ruled out.

16.3 Note for users

The information in this data sheet is based on our current knowledge at the time of the last revision. The user is responsible for checking the suitability and completeness of the information in relation to the specific use of the product.

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DistrΞ**bution**

This document does not constitute a guarantee for specific properties of the product. As we have no direct influence on the use of the product, the user is obliged to comply with all applicable laws, regulations and safety and hygiene provisions on his own responsibility. We accept no liability for improper use. Personnel entrusted with the handling of chemicals must be appropriately trained.