

Safety information sheet

Version: 1.0 EN

Guar gum 3.500 cps, E 412

Article number: D10310

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 3.500 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 foodstuffs. 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
Address	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.)

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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 3.500 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

After eye contact

Rinse eyes with plenty of water for at least 15 minutes, lifting the upper and lower eyelids occasionally. Seek medical attention.

After skin contact

Rinse skin with plenty of soap and water for at least 15 minutes, removing contaminated clothing and shoes. Seek medical attention if irritation occurs or persists.

Inhalation or ingestion

Move the person to fresh air. If the person is not breathing, perform artificial respiration. Give oxygen if breathing is difficult. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see Section 2) and/or in Section 11.

4.3 Indication of any immediate medical attention and special treatment needed

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5 Firefighting measures

5.1 Extinguishing agents

Suitable extinguishing agents

Water jet, alcohol-resistant foam, dry extinguishing agent, carbon dioxide

Unsuitable extinguishing agents

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5.2 Special hazards arising from the substance or mixture

Carbon oxides

5.3 Advice for firefighters

Protective equipment for firefighters

Wear self-contained breathing apparatus if necessary.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Do not inhale vapors, mists, or gas. For personal protective equipment, see Section 8.

6.2 Environmental precautions

No special environmental precautions required.

6.3 Methods and material for containment and cleaning up

Sweep up and shovel. Store in suitable, closed containers for disposal.

6.4 Reference to other sections

Hazardous combustion products: see Section 5.

Personal protective equipment: see Section 8.

Incompatible materials: see Section 10.

Disposal instructions: see Section 13.

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7 Handling and storage

7.1 Precautions for safe handling

Wash thoroughly after use. Ensure adequate ventilation. Avoid dust formation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid swallowing and inhalation.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed containers. Store in a cool, dry, well-ventilated place, away from incompatible materials.

7.3 Specific end uses

Apart from the uses mentioned in section 1.2, no other specific uses are intended.

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

Work areas where this substance is used should be equipped with an eye wash station and a safety shower. Provide adequate ventilation to keep airborne concentrations low.

8.2.2 Individual protection measures, personal protective equipment

Respiratory protection

If necessary, use respiratory protection in accordance with OSHA 29 CFR 1910.134 or EN 149. Only use tested respiratory protection devices (NIOSH or EN 149).

Hand protection

Wear suitable protective gloves to avoid skin contact.

Eye protection

Wear suitable safety glasses or chemical-resistant goggles in accordance with EN 166.

Body protection

Wear suitable chemical-resistant protective clothing.

8.2.3 Environmental exposure controls and monitoring

Do not allow enter drains.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	Powder
Colour	Yellowish-white
Odor	No data available
pH value	5.5–7.0 (1% solution)
Melting point	No data available
Boiling point	No data available
Flammability	No data available
Lower and upper explosion limits	Not relevant (solid)
Flash point	No data available
Ignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Water solubility	Soluble
Partition coefficient n-octanol/water:	No data available
Vapor pressure	No data available
Density	No data available
Relative vapor density	No data available
Particle properties	No data available
Oxidising properties	No data available

9.2 Other information

Information on physical hazard classes	No data available
Other safety-related parameters	No data available

10 Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

No data available.

10.5 Incompatible materials

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Strong oxidising agents.

10.6 Hazardous decomposition products

Irritating and toxic vapours and gases, acrid smoke and fumes.

11 Toxicological information

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

Acute toxicity	LD ₅₀ oral (rat) = 6,770 mg/kg. 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.
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

Toxicity to fish (*Oncorhynchus mykiss* – rainbow trout): LC₅₀ = 218 mg/l (96 h).

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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

The substance/mixture does not contain any components that are considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in concentrations of $\geq 0.1\%$.

12.6 Endocrine-disrupting properties

No data available

12.7 Other adverse effects

No data available

13 Disposal instructions

13.1 Waste treatment method

Producers of chemical waste must determine whether a discarded chemical product is classified as hazardous waste.

Classification is based on US EPA guidelines (40 CFR Parts 261.3) and local regulations.

RCRA P Series: Not listed. RCRA U Series: Not listed.

14 Transport information

14.1 UN number or ID number

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14.2 Proper UN shipping name

Not dangerous goods

14.3 Transport hazard classes

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14.4 Packaging group

-

14.5 Environmental hazards

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14.6 Special precautions for the user

Land transport	Not applicable
Sea transport	Not applicable
Air transport	Not applicable
Inland waterway transport	Not applicable
Rail transport	Not applicable

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).

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

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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.

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.