



SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

GUM ARABIC

Version 1.0

Date of printing: 06.03.2019

Date of revision / valid from 15.09.2015

Eye contact - may cause slight irritation
Ingestion - no danger

See section 11 for toxicological information

Physical and chemical hazards : See section 9 for physicochemical information

Possible effects on the environment : See section 12 Ecological information

2.2. Marking elements

Labeling according to Regulation (EC) No. 1272/2008

According to Regulation (EC) No. 1272/2008, it is not a dangerous substance or mixture.

Other labeling information:

More information : Follow the safety regulations for handling chemicals.

2.3. Another danger

Results of PBT and vPvB assessment see point 12.5.

SECTION 3: Composition/information on ingredients

3.1. Substances

Comment : No dangerous additives according to Regulation (EC) No. 1272/2008

| |
|-----------------------------------|
| NO - hazardous ingredients |
|-----------------------------------|

| |
|-------------------------|
| Name: Gum Arabic (E414) |
|-------------------------|

SECTION 4: First aid measures

4.1. Description of first aid

General instructions : No hazards requiring special first aid.
Never give anything by mouth to an unconscious person. Disabled 2/15



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remove to fresh air and store.

When inhaled

: Get out into the fresh air. Keep the casualty calm and warm.
If the casualty is not breathing and/or if problems persist, give oxygen and seek medical attention. If problems persist, seek medical attention.

In contact with skin

: Wash with soap and water. If problems persist, seek medical attention.

In contact with eyes

: Rinse thoroughly with plenty of water for at least 10 minutes, including under the eyelids. Remove contact lenses. If problems persist, seek medical attention.

When ingested

: Turn the affected vomiting victim in a supine position to a stabilized side position. Rinse your mouth and drink water. Never give anything by mouth to an unconscious person.
Do not induce vomiting unless advised by a doctor.
Seek medical attention (call a doctor in case of difficulty).

4.2. Most important symptoms and effects, both acute and delayed

Symptoms

: See section 11 for more information on symptoms and health effects

Effects

: See section 11 for more information on symptoms and health effects

4.3. Indication of any immediate medical attention and special treatment needed

Treatment

: Symptomatic treatment.
No further information is available

SECTION 5: Firefighting measures

5.1. Fire extinguishers

Suitable extinguishing agents

: Foam, powder, carbon dioxide

Unsuitable fire extinguishers

: Full flow of water.

5.2. Special hazards arising from the substance or mixture

Specific firefighting hazards

: Data not given

5.3. Instructions for firefighters

Special protective equipment for firefighters

: Assess the size of the fire and its surroundings. In the event of a larger fire, use self-contained breathing apparatus and full protective fire-fighting clothing.



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More information

: Common precautions for chemical fires. Keep personnel out of reach and upwind. Measures in case of fire should correspond to the surrounding conditions.

SECTION 6: Accidental release measures

6.1. Personal protection measures, protective equipment and emergency procedures

Personal protection measures : Ventilate the premises. Avoid dust generation. Do not eat, drink or smoke when handling the product. Keep personnel out of reach on the windward side. Refer to paragraphs 7 and 8 for safety precautions.

6.2. Environmental protection measures

Environmental protection
measures

: Does not pose a particular risk to the environment.

6.3. Methods and material for containment and cleaning up

Methods and material for
containment and cleaning
up

: Pick up mechanically or vacuum with industrial vacuum cleaners. Do not use water.

More information

: Process the collected material in the manner indicated in the "Waste disposal" section.

6.4. Link to other sections

Personal protection see section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Instructions for safe handling

: Provide ventilation. Avoid dust generation. In case of insufficient ventilation, use suitable equipment for respiratory protection. Avoid contact with skin and eyes. Personal protection see section 8.

Hygiene measures

: General hygiene measures. Wash your hands before and after a work break. Do not eat, drink or smoke when handling the product.

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



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| | |
|--|--|
| Requirements for storage areas and containers | : Store containers in original packaging, tightly closed in a dry, cool and well-ventilated place. |
| Instructions for protection against fire and explosion | : Common fire protection measures. |
| Instructions for normal storage | : Keep away from volatile and strongly aromatic substances. |

7.3 Specific end / specific end uses

| | |
|--------------------------|-----------------------------|
| Specific (specific) uses | : No information available. |
|--------------------------|-----------------------------|

SECTION 8: Exposure controls / personal protective equipment

Control parameters: none

Other Exposure limit values

| | |
|------------------|--|
| More information | : Dust limit values generally apply to dusty substances. |
|------------------|--|

8.2. Limiting exposure

Personal protective equipment

Respiratory protection

| | |
|----------------|---|
| Recommendation | : In case of insufficient ventilation, use suitable equipment for respiratory protection. Use a breathing mask with a dust filter. |
|----------------|---|

Hand protection

| | |
|----------------|----------------------------|
| Recommendation | : With long-term exposure. |
|----------------|----------------------------|

Eye protection

| | |
|----------------|------------------|
| Recommendation | : Date not given |
|----------------|------------------|

Skin and body protection

| | |
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| Recommendation | : Date not given |
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Protective measures

Recommendation : No need to use special protective equipment.

Limiting environmental exposure

General instructions : Provide ventilation. Wash your hands before and after a work break. Do not eat, drink or smoke when handling the product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|------------------------------|--|
| Form | : Free-flowing powder |
| Color | : Almost white |
| Odor | : Essentially taste, flavor and odor free |
| Odor Threshold | : Not specified |
| pH | : 4.0 – 5.0 (1% solution, distilled water 25 °C) |
| Freezing point | : Not specified |
| Boiling point | : Not specified |
| Flash-point | : Not specified |
| Evaporation rate | : Not specified |
| Flammability (solids, gases) | : Not specified |
| Upper explosive limit | : Not specified |
| Lower explosive limit | : Not specified |
| Steam pressure | : Not specified |
| Relative vapor density | : Not specified |
| Relative density | : Not specified |
| Solubility in water | : Completely soluble |
| Partition coefficient: n- | : Not specified |



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octanol/water

Auto-ignition temperature : Not specified

Thermal decomposition : Not specified

Dynamic viscosity : Not specified

Explosiveness : Not specified

Oxidizing properties : Not specified

9.2. More information

SECTION 10: Stability and reactivity

10.1. Reactivity

Recommendation : No further information available.

10.2. Chemical stability

Recommendation : When observing the specified method of storage and use no decomposition occurs.

10.3. Possibility of hazardous reactions

Hazardous reactions : No further information available

10.4. Conditions to avoid

Conditions to avoid : High temperatures, direct sunlight, humidity.

Thermal decomposition : No further information available

10.5. Incompatible materials

Materials to avoid : Strong oxidizing agents, acids.

10.6. Hazardous decomposition products

Hazardous decomposition products : No further information available

SECTION 11: Toxicological information



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11.1. Information on toxicological effects

Acute toxicity

none

More information

Human : No health damage known or expected under normal use.
exposure experience

SECTION 12: Ecological information

12.1. Toxicity

The product is not expected to be hazardous to the environment.

Acute toxicity

Fish

LC50 : No further information available

12.2. Persistence and degradability

Persistence and degradability

Persistence

Result : No further information available

Biodegradability

Result : No further information available

12.3. Bioaccumulative potential

Bioaccumulation

Result : No further information available



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12.4. Mobility in soil

| | |
|--------|-------------------------------------|
| Result | No further information is available |
|--------|-------------------------------------|

12.5. Results of PBT and vPvB assessment

| | |
|--------|-------------------------------------|
| Result | No further information is available |
|--------|-------------------------------------|

12.6. Other adverse effects

Adsorbed organically bound halogens (AOX)

| | |
|--------|------------------------------------|
| Result | : No further information available |
|--------|------------------------------------|

Additional ecological information

| | |
|--------------------------------|---------------------------------------|
| Chemical oxygen consumption | : No further information is available |
| Biochemical oxygen consumption | : No further information is available |

SECTION 13: Disposal considerations

13.1. Waste management methods

| | |
|--|--|
| Product | : May be landfilled in accordance with local regulations. If recycling is not possible, dispose of in accordance with local regulations. |
| Contaminated packaging | : Empty packaging should be handed over to a licensed waste handling company for recycling or disposal. |
| Number from the European waste catalog | : This product cannot be assigned a code from the European Waste Catalog because its assignment is determined by the intended use. The waste code was established in consultation with the local authorities responsible for waste disposal. |

SECTION 14: Transport information



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Not dangerous goods in terms of transport: ADR, RID, IMDG and IATA.

14.1. UN number

not applicable

14.2. UN proper shipping name

not applicable

14.3. Transport hazard class(es).

not applicable

14.4. Packaging group

not applicable

14.5. Danger to the environment

not applicable

14.6. Special safety measures for users

not applicable

14.7. Bulk transport according to Annex II of MARPOL 73/78 and the IBC regulation

IMDG : not applicable

SECTION 15: Regulatory Information

15.1. Safety, health and environmental regulations/specific legislation relating to a substance or mixture

Other regulations : The final classification of waste is carried out by its originator according to the characteristics of the waste at the time of its generation according to the Decree of the Ministry of the Environment as amended.; The product is labeled according to EU directives or applicable national regulations. All mentioned laws should be considered with regard to later changes in the valid wording. 350/2011 LAW of 27 October 2011 on chemical substances and chemical mixtures and on the amendment of certain laws (chemical law) with effect from 1 January 2012 Directive (EC) No. 1272/2008 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.

1) Council Directive 67/548/EEC on the approximation of legal and



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of administrative regulations regarding the classification, packaging and labeling of dangerous substances, as amended.

Directive 1999/45/EC of the European Parliament and of the Council on the approximation of the legal and administrative regulations of the Member States relating to the classification, packaging and labeling of dangerous preparations, as amended.

Directive 2004/9/EC of the European Parliament and of the Council of 11 February 2004 on the inspection and verification of good laboratory practice.

Directive 2004/10/EC of the European Parliament and of the Council of 11 February 2004 on the harmonization of laws and regulations concerning the application of principles of good laboratory practice and the verification of their application in the testing of chemical substances.

2) Regulation of the European Parliament and the Council (EC) No. 1907/2006 of 18 December 2006 on the registration, evaluation, authorization and restriction of chemical substances, on the establishment of the European Chemicals Agency, on the amendment of Directive 1999/45/EC and on the repeal of Council Regulation (EEC) No. 793/93, Commission Regulation (EC) No. 1488/94, Council Directive 76/796/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. 689/2008 of 17 June 2008 on the export and import of hazardous chemical substances.

Regulation of the European Parliament and of the Council (EC) No. 648/2004 of March 31, 2004 on detergents, as amended.

European Parliament and Council Regulation (EC) No. 850/2004 of April 29, 2004 on persistent organic pollutants and amending Directive 79/117/EEC, 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 the Regulation (EC) No. 1907/2006, as amended.

Regulation (EC) No. 1102/2008 of the European Parliament and of the Council of 22 October 2008 on the ban on the export of metallic mercury and certain compounds and mixtures of mercury and on the safe storage of metallic mercury.

Commission Regulation (EC) No. 440/2008 of 30 May 2008 laying down test methods pursuant to Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemical Substances, as amended.

Commission Regulation (EC) No. 340/2008 of 16 April 2008 on fees and payments to the European Chemicals Agency pursuant to Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH). 3) Art. 2 paragraph 7 of the Regulation of the European Parliament and the Council (EC) no.



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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 . 4)

Art. 2 paragraph 8 of the Regulation of the European Parliament and 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 .

5) Act No. 326/2004 Coll., on phytosanitary care and amendment of some related laws, as amended.

Regulation of the European Parliament and the Council (EC) No. 1107/2009 of 21 October 2009 on the placing of plant protection products on the market and the repeal of Council Directives 79/117/EEC and 91/414/EEC.

6) Act No. 120/2002 Coll., on the conditions for listing biocides preparations and active substances on the market and on the amendment of some related laws, as amended. 7) Art. 61 of the Regulation of the European Parliament and 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 .

8) Act No. 123/2000 Coll., on medical devices and amending some related laws, as amended.

9) Table 3.2. part 3 of Annex VI of the European Regulation of the 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.

10) Commission Regulation (EC) No. 440/2008 of 30 May 2008, establishing test methods according to Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on the registration, evaluation, authorization and restriction of chemical substances, as amended.

11) Act No. 22/1997 Coll., on technical requirements for products and on the amendment and addition of certain laws, as amended.

Government Regulation No. 194/2001 Coll., establishing technical requirements for aerosol sprayers, as amended.

12) Act No. 634/1992 Coll., on consumer protection, as amended later regulations.

13) Act No. 266/1994 Coll., on railways, as amended regulations. Convention on International Carriage (COTIF), promulgated under No. 8/1985 Coll., as amended.

14) For example, Act No. 111/1994 Coll., on road transport, in as amended, the European Agreement on International



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road transport of dangerous goods (ADR), announced under no. 64/1987 Coll., as amended.

15) Act No. 114/1995 Coll., on inland navigation, as amended later regulations.

16) Decree No. 17/1966 Coll., on air transport regulations, in wording of Decree No. 15/1971 Coll.

17) Act No. 61/2000 Coll., on maritime navigation.

18) Government Regulation No. 361/2007 Coll., establishing health protection conditions at work, as amended by Government Regulation no. 68/2010 Coll.

19) Art. 31 Regulation of the European Parliament and the Council (EC) no. 1907/2006 of 18 December 2006 on the registration, evaluation, authorization and restriction of chemical substances, on the establishment of the European Chemicals Agency, on the amendment of Directive 1999/45/EC and on the repeal of Council Regulation (EEC) No. 793/93, Regulation Commission (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.

20) Regulation of the European Parliament and the Council (EC) no. 1907/2006 of 18 December 2006 on the registration, evaluation, authorization and restriction of chemical substances, on the establishment of the European Chemicals Agency, on the amendment of Directive 1999/45/EC and on the repeal of Council Regulation (EEC) No. 793/93, Regulation Commission (EC) No. 1488/94, Council Directive 76/796/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended.

21) Regulation of the European Parliament and 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 .

22) Annex II of the OECD Council decision on mutual recognition of data for the evaluation of chemical substances [C(81)30 in the final version] of 12 May 1981, as amended by the decision of the OECD Council [C(97)186 in the final version] of 26 November 1997. Annexes I and II of the decision - OECD Council Recommendation on Compliance with the Principles of Good Laboratory Practice [C(89)87 final] of 2 October 1989, as amended by OECD Council Decision [C(95)8 final] of 9 March 1995.

23) Art. 45 of the Regulation of the European Parliament and the Council (EC) no. 1272/2008 of 16 December 2008 on the classification of 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.

24) Art. 9 paragraph 3 and Annex VII of the Regulation of the European Parliament and Council (EC) No. 648/2004 of March 31, 2004 on



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detergents, as amended.

25) Regulation of the European Parliament and the Council (EC) No. 850/2004 of April 29, 2004 on persistent organic pollutants and amending Directive 79/117/EEC, as amended.

26) Regulation of the European Parliament and the Council (EC) No. 689/2008 of June 17, 2008 on the export and import of dangerous chemical substances.

27) Regulation of the European Parliament and the Council (EC) no. 1102/2008 of 22 October 2008 on the ban on the export of metallic mercury and certain mercury compounds and mixtures and on the safe storage of metallic mercury.

The final classification of waste is carried out by its originator according to the characteristics of the waste at the time of its generation in accordance with the Decree of the Ministry of the Environment as amended.

28) 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 chemical substances

15.2. Chemical safety assessment

dates not given

SECTION 16: Further information

More information

Important literature references and data sources : Supplier information and data from the "Registered Substances Database" of the European Chemicals Agency (ECHA) were used to create this safety data sheet.

More information : The information given in this safety data sheet is to the best of our knowledge at the time of the review. The information only describes with regard to the safety of handling the product, it is not a quality specification, it does not establish legal information.
The information contained in this safety data sheet applies only to this material and may not be valid for this material used in combination with another material or in another process not described in the text.

: The information in this safety data sheet is to the best of our knowledge, information and belief at the time of its issue.
The information provided is intended only as a guide for the safe handling of the product, its use, storage, processing, transportation, disposal and release and should not be



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considered as a guarantee or specification of quality. The information applies only to the specific material named and may become invalid if used in combination with any other materials or in any processes unless specifically stated in the text. This safety data sheet contains only information related to safety and does not replace product information or its specification.

There is no legal obligation to prepare an MSDS for this substance/mixture. This MSDS is prepared for the customer's use only.

|| The section has been redesigned.