



STYROMAG®

Steirische Magnesitindustrie GmbH

Voluntary safety information based on the safety data sheet format according to Regulation (EC) No. 1907/2006 (REACH)

trade name: STYROMAG® Gulsenit G0/20

material no.: n. a.

version: 1.2 / EN

last change: 13.04.2025

specification: SiO₂: 78 % typ.

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printing date: 24.04.2025

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1 Substance identification

Name: Gulsenit, active silicic acid
Synonyms: active amorphous silicic acid
EINECS No: 231-545-4
CAS No: 10279-57-9
Chemical Formula: SiO₂
REACH registration: exempt from registration

1.2 Identified uses:

- Beverage industry
- Industrial floors made of magnesia cement
- Paper industry

Uses advised against: none.

1.3 Company identification:

STYROMAG Styromagnesit Steirische Magnesitindustrie GmbH

E-Mail (competent person): manfred.griessmaier@styromag.at

Contact number: +43 (0) 3869/5100-28

Contact for information: STYROMAG, Oberdorf 41, A-8611 Tragöß-St. Katharein, Austria

1.4 Emergency telephone: +43 (0) 1/4064343 Poisoning Central 1090 Vienna

2. HAZARDS IDENTIFICATION

Emergency overview:

2.1 Classification:

Not classified as dangerous according to Council Directives 67/548/EEC and 1272/2008/EC.

2.2 Label elements:

none



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2.3 Other hazards:

This substance contains no components considered to be either persistent, bioaccumulating and toxic (PBT) or very persistent and very bioaccumulating (vPvB) at levels of 0.1% or higher.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance Name	CAS No	Content	Comments
Silicon dioxide, amorphous	10279-57-9	78 % typical	

Impurities: MgO, CaO, Fe₂O₃, other metallic oxides

R & S Phrases: none, see section 2.1

4. FIRST-AID-MEASURES

4.1 Description of first aid measures (by route of exposure):

Seek medical assistance if feeling unwell.

Ingestion: rinse mouth and drink plenty of water

Inhalation: Remove victim to fresh air.

Skin contact: Wash with plenty of soap and water.

Eye contact: Rinse cautiously with water. If eye irritation persists, get medical advice and (if needed) attention.

5. FIRE-FIGHTING MEASURES

Flash Point: not applicable (not flammable and also inorganic)

Explosion Limits: not applicable (not an explosive)

Auto-ignition Temperature: not applicable

5.1 Extinguishing media:

Suitable extinguishing media: CO₂, powder or water spray

5.2 Special hazards arising from the substance:

Special remarks on fire and explosion hazards: In principle not combustible, not explosive, not flammable.



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5.3 Advice for fire fighters:

Use extinguishing media most appropriate for the surrounding fire.

Fire fighters should wear protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions:

Avoid generation of dust.

6.2 Environmental precautions:

Generally avoid the contamination of soil, water and air.

6.3 Cleanup procedure:

Take up mechanically.

7. HANDLING AND STORAGE

7.1 Handling

7.1.1 Advice on safe handling:

Avoid the formation of dust and the settling of dust on surfaces.

7.1.2 Advice on prevention of fire and explosions:

No special measures are necessary.

7.1.3 Temperature, fire and dust explosion class:

not applicable

7.2 Storage

7.2.1 Requirements for storage room and containments:

No special measures are necessary.

7.2.2 Advice on storage with other substances:

No special measures are necessary.



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7.2.3 Further advice on storage conditions:

none

7.2.4 Storage class

13 (non flammable solids in non pyrophoric containment)

7.2.5 Storage stability

Kept in right condition infinite storage possible; no chemical changes.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Advice on construction of technical equipment:

Avoid the formation of dust through appropriate aspiration and air filtration.

8.2 Occupational exposure control requirements:

MAK:	value
dust fine enough to go into alveoli	6 mg/m ³

8.3 Exposure controls :

Appropriate engineering controls:

Use process enclosures, local exhaust ventilation or other engineering controls to keep air-borne levels below recommended exposure limits (see section 8.2).

Individual protection measures:

Do not eat, drink or smoke when handling the substance. Wear protective clothing when handling the substance, in case dust or fumes form, such as safety glasses or respiratory mask.

Measures for control of exposure (professionally):

Respiratory protection: Wear dust mask when a lot of dust is forming.

Hand protection: Not mandatory.

Eye protection: Use safety glasses when a lot of dust is forming.



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Body protection: Not mandatory.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Important health, safety and environmental information:

9.1.1 Safety relevant basic data

Physical State: solid

Form: powder

Colour: grey

Odour: odourless

Parameter	Value	Method	Comments
Melting point m.p. [°C]:	>1600		
Boiling point b.p. [°C]:	2230		
Flammability [°C]:			not applicable
Lower and upper explosion limit:			not applicable
Flash point:			not applicable
Auto-ignition temperature:			not applicable
Decomposition temperature:			not applicable
pH:	ca.6		
Kinematic viscosity:			not applicable
Solubility in water (20°C) [mg/l]:			practically insoluble
Partition coefficient n-oktanol/water (log-value):			not applicable (inorganic)
Vapour pressure:			not applicable
Density [g/cm³]:	2,20		
Relative vapour density:			not applicable
Particle characteristics:	99% <100µm		

9.2 Other information

Information with regard to physical hazard classes:

Other safety characteristics:

hazard classes acc. to GHS

(physical hazards): not relevant

There is no additional information.



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10. STABILITY AND REACTIVITY

10.1 Thermal disintegration:

No data available.

10.2 Dangerous disintegration products:

none

10.3 Dangerous reactions:

none

11. INFORMATION ON TOXICOLOGICAL EFFECTS

11.1 Basic information:

Quantitative data concerning the toxicity of this substance is not available.

11.2 Further toxicological advice:

The inhalation of dust should be avoided as even inert dusts can affect the function of the respiratory tract.

11.3 Practical experience:

Irritation of the eyes by particles.

12. ECOLOGICAL INFORMATION

12.1 General advice:

none

12.2 Persistence and degradability:

Hardly soluble in water, inorganic; can mostly be separated by mechanical means in sewage plants.

12.3 Further ecological data:

Due to its insolubility no harm to plants and/or water organisms is expected when handled according to its designated use – the material should not lead to any ecological problems.



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12.4 Mobility in soil:

Negligible under temperate climate conditions, see soil science textbooks.

12.5 Results of PBT and vPvB assessment:

Not classified as a PBT or vPvB substance.

12.6 Endocrine Disrupting Properties:

Not listed.

12.7 Other Adverse Effects:

Not other adverse effects are known.

13. DISPOSAL CONSIDERATIONS

13.1 Product:

Dispose of on accredited dumps according to local laws.

13.1.1 Waste code:

none

13.1.2 Name of waste:

not applicable

13.2 Dirty packaging

Empty packaging has to be deposited of according to local laws.

14. TRANSPORT INFORMATION



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14.1 Land transport - truck / railway (ADR/RID – GGVS/GGVE): 25120000

non hazardous product

14.2 Waterway / sea transport (IMDG / GGVSee):

non hazardous product

14.3 Air transport (ICAO-TI / IATA-DGR):

non hazardous product

15. REGULATORY INFORMATION

15.1 EC labelling

15.1.1 Council Directive 1272/2008/EC (CLP):

Substitutes Directive 67/548/EEC from the 1st of December 2010.

15.1.2 Safety advice:

P260: Do not breathe in dust.

15.2 67/548/EEC –1999/45/EC (DSD – DPD):

Not being regulated by Council Directive 67/548/EEC.

15.2.1 S-Phrases:

S 22: Do not breathe in dust.

16. OTHER INFORMATION

Indication of changes (revised safety data sheet)

Alignment to regulation:

Restructuring: section 9, section 14

Section	Former entry	Actual entry	Safety relevant
2.1	Classification according to Regulation (EC) No 1272/2008 (CLP): This substance does not	Classification acc. to GHS: This substance does not meet the criteria for classification.	yes



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	meet the criteria for classification in accordance with Regulation No 1272/2008/EC.		
2.2	Signal word: not required	Signal word: not required	yes
2.3	Other hazards: There is no additional information.	Other hazards: There is no additional information.	yes
2.3		Results of PBT and vPvB assessment: According to the results of its assessment, this substance is not a PBT or a vPvB.	yes

16.1 Further Information

This statement is according to our current knowledge.

The safety data sheet only gives information about the safety precautions to be undertaken when handling the substance.

Certain properties or a specific use of this substance can not be granted even if detailed information is given in this safety data sheet.