

Safety Data Sheet

according to HPR, Schedule 1

**HOFFMANN
MINERAL®**

Printing date 2025-03-19

Reviewed on 2025-03-19

1 Identification

Product identifier**Trade name:** GLOXIL matt**Application of the substance / the mixture**

As functional fillers for elastomers, plastics, paints and varnishes, adhesives, polishing and protective agents, welding electrodes, as well as in the construction and chemical industries.

Details of the supplier of the safety data sheet**Manufacturer/Supplier:**

HOFFMANN MINERAL GmbH

Münchener Straße 75

D - 86633 Neuburg (Donau)

Phone: +49 (0) 8431 53-0

Fax: +49 (0) 8431 53-3 30

www.hoffmann-mineral.com

info@hoffmann-mineral.com

Information department:**Distributor:**

AZELIS CANADA INC.

235 ADVANCE BLVD

UNIT 1, BRAMPTON, ON

L6T 4J2, CANADA

PHONE: +1 905 4537131

E-mail competent person: info@hoffmann-mineral.com**Emergency telephone number:**

For Hazardous Materials [or Dangerous Goods] Incidents

Spill, Leak, Fire, Exposure, or Accident

Call CHEMTREC Day or Night

Within USA and Canada: 1-800-424-9300

Outside USA and Canada: +1 703-741-5970 (collect calls accepted)

2 Hazard identification

Classification of the substance or mixture

Flammable Solids - Category 2 H228 Flammable solid.

Combustible Dusts - Category 1 May form combustible dust concentrations in air.

Label elements**GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms**Signal word** Warning**Hazard statements**

H228 Flammable solid.

May form combustible dust concentrations in air.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof [electrical/ventilating/lighting] equipment.

P370+P378 In case of fire: Use CO2, powder or water spray to extinguish.

Classification system: Workplace Hazardous Materials Information System (WHMIS 2015)

3 Composition/Information on ingredients

Chemical characterization: Mixtures**Description:** GLOXIL matt is based on Amorphous Silica and coated with various bonding agents.

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Ingredient: Void**Additional information:**

Bonding agents: Unsaturated, even numbered, unbranched fatty acid ester mixtures. The exact chemical composition and concentration of the bonding agents is part of company know-how and, therefore, confidential.

Canadian DSL

7631-86-9 Silica

67762-38-3 Fatty acids, C16-18 and C18-unsatd., Me esters

4 First-aid measures

Description of first aid measures

General information: In any cases of doubt or if symptoms are present, seek medical advice.

Inhalation:

Supply fresh air; consult doctor in case of complaints.

Remove victim from contaminated area. If breathing is difficult, give oxygen. If breathing stops, provide artificial respiration. Call a doctor.

Skin contact:

Wash the areas of skin affected with water and a mild detergent.

If skin irritation continues, consult a doctor.

Eye contact:

Rinse opened eye for several minutes under running water.

If symptoms persist, consult a doctor.

Ingestion:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting

Never give anything by mouth to an unconscious person.

If symptoms persist consult doctor.

Most important symptoms and effects, both acute and delayed No further relevant information available.

Indication of any immediate medical attention and special treatment needed Symptomatic treatment

5 Fire-fighting measures

Extinguishing media**Suitable extinguishing agents:**

Foam

Fire-extinguishing powder

Carbon dioxide

Water spray

For safety reasons unsuitable extinguishing agents: Water with full jet

Special hazards arising from the substance or mixture

Risk of dust explosion if enriched with fine dust in the presence of air.

Advice for firefighters**Protective equipment:**

Do not enter the hazardous area without a self-contained breathing apparatus.

See Section 8 for information on personal protection equipment.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid formation of dust.

Ensure adequate ventilation

Use respiratory protective device against the effects of fumes/dust/aerosol.

Environmental precautions:

The following information refer to the leakage of large quantities:

Do not allow product to reach sewage system or any water course.

Do not allow to penetrate the ground/soil.

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Methods and material for containment and cleaning up:

Avoid formation of dust. Use a tested and approved industrial vacuum cleaner for collecting dust.

Send for recovery or disposal in suitable receptacles.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

Handling:**Precautions for safe handling**

Prevent formation of dust.

Any deposit of dust which cannot be avoided must be regularly removed.

Provide suction extractors if dust is formed.

Carry out filling operations only at sites with extractors available.

Take measures against electrostatic charge.

Information about protection against explosions and fires:

Observe the general rules of industrial fire protection.



Keep ignition sources away - Do not smoke.

Dust can combine with air to form an explosive mixture.

Use only in explosion protected area.

Protect against electrostatic charges.

Conditions for safe storage, including any incompatibilities**Storage:****Requirements to be met by storerooms and receptacles:**

Store receptacles tightly closed at a cool and dry place with sufficient ventilation

Store in original container wherever possible.

Information about storage in one common storage facility: Observe local/state/federal regulations.**Further information about storage conditions:**

Store in dry conditions.

Protect from heat and direct sunlight.

Specific end use(s) No further relevant information available.

8 Exposure controls/ Personal protection

Additional information about design of technical systems: No further data; see section 7.**Control parameters****Components with limit values that require monitoring at the workplace:****Respirable dust:**TWA Long-term value: 3 mg/m³**Total dust:**TWA Long-term value: 10 mg/m³**Additional Occupational Exposure Limit Values for possible hazards during processing:**

Observe general threshold limit for dust.

Additional information: The lists that were valid during the creation were used as basis.**Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

Vacuum clean contaminated clothing. Do not blow or brush off contamination.

Do not eat or drink while working.

Wash hands before breaks and at the end of work.

Do not inhale dust / smoke / mist.

Immediately remove all soiled and contaminated clothing.

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Breathing equipment:

Use suitable respiratory protective device in case of insufficient ventilation.

If the occupational exposure limit is exceeded:

The following breathing protection is recommended:

fine-dust filter mask N95 (NIOSH Approved)

Protection of hands: No chemical-protective gloves required.**Eye protection:** Safety glasses with side shields**Body protection:** Not required.

9 Physical and chemical properties

Information on basic physical and chemical properties**General Information****Appearance:**

Form:	Powder
Color:	White
Odor:	Odorless

pH-value at 20°C (68°F) (100 g/l) at 20 °C: 6.0 - 8.5 (DIN EN ISO 787 / 9)**Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Not applicable.

Flash point: Not applicable.**Flammability (solid, gaseous):** Flammable solid.**Auto igniting:** 270 °C**Decomposition temperature:** Not determined.**Ignition temperature:** Product is not selfigniting.**Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.**Explosion limits:**

Lower:	60 g/m ³
Upper:	Not determined.

Oxidizing properties Not determined**Vapor pressure:** Not applicable.**Density at 20°C (68 °F) at 20 °C:** 1.3 g/cm³ (DIN EN ISO 787 / 10)**Vapor density** Not applicable**Evaporation rate** Not applicable**Solubility in / Miscibility with****Water:** practically insoluble.**Partition coefficient (n-octanol/water):** Not determined**Viscosity:****Kinematic:** Not applicable**Other information**

Additional information Kst-value: 227 bar*m*s-1 (St2)
Minimum ignition energy: >1 / <3 mJ

10 Stability and reactivity

Reactivity No further relevant information available.**Chemical stability** No decomposition if used and stored according to specifications.**Possibility of hazardous reactions** Risk of dust explosion.

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Conditions to avoid

Keep ignition sources away - Do not smoke.

See Section 7 for information on safe handling.

Incompatible materials: No further relevant information available.**Hazardous decomposition products:**

No hazardous decomposition products if instructions for storage and handling are followed

11 Toxicological information

Information on toxicological effects**Acute toxicity:****LD/LC50 values that are relevant for classification:**

No toxicity data are available for the product itself.

CAS: 7631-86-9 silicon dioxide

Oral	LD50	>5,000 mg/kg (rat) (OECD 401)
Dermal	LD50	>6,000 mg/kg (rabbit)
Inhalative	LC0/4h	>140->2,000 mg/l (rat) (OECD 403)

Primary irritant effect:**on the skin:** Based on available data, the classification criteria are not met.**on the eye:** No irritating effect.**Sensitization:** No sensitizing effects known.**Additional toxicological information:****Carcinogenic categories****Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**STOT-single exposure** Based on available data, the classification criteria are not met.

12 Ecological information

Toxicity**Aquatic toxicity:**

No further relevant information available.

CAS: 7631-86-9 silicon dioxide

LC50 / 96h	10,000 mg/l (Danio rerio) (OECD 203)
EC50 / 24h	>1,000 mg/l (Daphnia magna) (OECD 202)
EC50 / 72h	>10,000 mg/l (Scenedesmus subspicatus) (OECD 201)

Persistence and degradability No further relevant information available.**Bioaccumulative potential** No further relevant information available.**Mobility in soil** No further relevant information available.**Other adverse effects** No further relevant information available.

13 Disposal considerations

Waste treatment methods**Recommendation:** Disposal must be made according to official regulations.**Uncleaned packagings:****Recommendation:** Disposal must be made according to official regulations.
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14 Transport information

UN-Number
DOT/TDG, ADR, IMDG, IATA

UN3178

UN proper shipping name
DOT/TDG
ADR

 Flammable solid, inorganic, n.o.s. (Silica, fatty acid ester)
 3178 Flammable solid, inorganic, n.o.s. (Silica, fatty acid ester)
IMDG

FLAMMABLE SOLID, INORGANIC, N.O.S. (Silica, fatty acid esters)

IATA

FLAMMABLE SOLID, INORGANIC, N.O.S. (Silica, Fettsäureester)

Transport hazard class(es)**DOT/TDG (Transport dangerous goods):****Class**

4.1 Flammable solids, self-reactive substances and solid desensitised explosives

Label

4.1

ADR**Class**

4.1 (F3) Flammable solids, self-reactive substances and solid desensitised explosives

Label

4.1

IMDG, IATA**Class**

4.1 Flammable solids, self-reactive substances and solid desensitised explosives

Label

4.1

Packing group
DOT/TDG, ADR, IMDG, IATA

III

Environmental hazards:**Marine pollutant:**

No

Special precautions for user

Warning: Flammable solids, self-reactive substances and solid desensitised explosives

Hazard identification number (Kemler code): 40**Stowage Category**

B

Transport/Additional information:**DOT/TDG****Quantity limitations**

On passenger aircraft/rail: 25

On cargo aircraft only: 100

ADR**Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30g

Maximum net quantity per outer packaging: 1000g

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IMDG
Limited quantities (LQ)
Excepted quantities (EQ)

 5 kg
 Code: E1
 Maximum net quantity per inner packaging: 30g
 Maximum net quantity per outer packaging: 1000g
IATA**Remarks:**
Packaging Instructions:
 For Limited Quantities: Y 443 10 kg max. net/Pkg
 Passenger and cargo aircraft: 446 25 kg max. net/Pkg
 Cargo aircraft only: 449 100 kg max. net/Pkg
UN "Model Regulation":

UN 3178 FLAMMABLE SOLID, INORGANIC, N.O.S. (SILICA, FATTY ACID ESTER), 4.1, III

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture
Canadian substance listings:
Canadian Domestic Substances List (DSL)

CAS: 7631-86-9	Silica
CAS: 67762-38-3	Fatty acids, C16-18 and C18-unstätt., Me esters

Canadian Ingredient Disclosure list (limit 0.1%)

None of the ingredients is listed.

Canadian Ingredient Disclosure list (limit 1%)

CAS: 7631-86-9	Silica
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National regulations:**Further information:**

NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling .3

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Contact:**Date of the latest revision of the safety data sheet** 2025-03-19 / 4.00**Abbreviations and acronyms:**
 NOEL = No Observed Effect Level
 NOEC = No Observed Effect Concentration
 LC = Lethal Concentration
 EC50 = half maximal effective concentration
 log POW = Octanol / water partition coefficient
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 ATE: acute toxicity estimate
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 IOELV = indicative occupational exposure limit values
Sources

"Regulation (EC) Nr. 1907/2006 (REACH), 1272/2008 (CLP), 648/2004 (Detergents) in the respective valid version. National occupation exposure limits for each country in the respective valid version. Transportation regulations according to ADR, RID, IMDG, IATA in the respective valid version."

* **Data compared to the previous version altered.**

Changes have been made to sections marked with a *, as compared to the previous version.