

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 02.06.2026

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Safety Data Sheet

Voluntary safety data sheet:

This product is not a dangerous substance. Therefore, it does not require a safety data sheet. We are able to provide a data sheet on a voluntary basis in line with the 1907/2006 REACH regulation.

Trade name: Gloxil bright VM

Chemical Identification: Kaolin, calcined and surface-treated

Registration number

As a surface-treated substance, it is exempted from the registration obligation in accordance with Regulation 1907/2006/EC (REACH).

Nanoform:

According to the REACH Regulation (EC) 1907/2006, the product is not defined as 'nanoform'.

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

Application of the substance / the mixture Filler

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

HOFFMANN MINERAL GmbH

Münchener Straße 75

D - 86633 Neuburg/Donau

Tel.: +49 (8431) 53-0

www.hoffmann-mineral.com

Further information obtainable from: info@hoffmann-mineral.com

1.4 Emergency telephone number:

+49 (0) 84 31 53-0

(Not available outside office hours!)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The substance is not classified, according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

2.3 Other hazards

Results of PBT and vPvB assessment

The product is a natural inorganic substance of natural origin and, according to Article VIII of the 1907/2006 (REACH) regulation (EC), does not meet the criteria for PBT or vPvB substances.

PBT: Not applicable.

vPvB: Not applicable.

Determination of endocrine-disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 Substances

Description:

Products based on calcined Kaolin and coated with various bonding agents.

"Kaolin, calcined" has been assigned the following specific identification number(s).

CAS No. Description

92704-41-1 Kaolin, calcined

Identification number(s) 296-473-8

Additional information:

Bonding agents:

Various organofunctional silanes and/or paraffins: The exact chemical composition and concentration of the bonding agents is part of company know-how and, therefore, confidential.

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Nanoform According to the REACH Regulation (EC) 1907/2006, the product is not defined as 'nanoform'.

SECTION 4: First aid measures

4.1 Description of first aid measures

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

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

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

If skin irritation continues, consult a doctor.

After eye contact:

Possible discomfort is due to foreign substance effect.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: No special measures required.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment in accordance with the doctor's assessment of the patient's condition. Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture The product is not flammable.

5.3 Advice for firefighters

Protective equipment:

The normal measures for firefighting are to be taken.

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

See Section 8 for information on personal protection equipment.

Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Avoid formation of dust.

If the atmosphere is particularly dusty, breathing apparatus must be worn.

For non-emergency personnel

The usual precautionary measures are to be adhered to when handling chemicals.

For emergency responders Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions: Avoid release to the environment.

6.3 Methods and material for containment and cleaning up:

Avoid dry sweeping and use water spraying or vacuum cleaning (minimum dust class M) for removal.

Keep in closed containers, ready for disposal.

6.4 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.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Prevent formation of dust.

Provide suction extractors if dust is formed.

Use suitable respiratory protective device in case of insufficient ventilation.

Handle packaged products carefully to prevent accidental bursting.

Any unavoidable deposit of dust must be regularly removed.

Information about fire - and explosion protection: No special measures required.

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7.2 Conditions for safe storage, including any incompatibilities**Storage:****Requirements to be met by storerooms and receptacles:** Keep container tightly sealed.**Information about storage in one common storage facility:**

No special measures required.

Observe local/state/federal regulations.

Further information about storage conditions: Store in dry conditions.**7.3 Specific end use(s)** No further relevant information available.**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:**

Follow workplace regulatory exposure limits for all types of airborne dust (e.g. total dust, respirable dust).

Dust, respirable**General Exposure limit for dust**

AGW (Germany)	Long-term value: 1.25 mg/m ³ TRGS900
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Dust, inhalable**General Exposure limit for dust**

AGW (Germany)	Short-term value: 20 mg/m ³ Long-term value: 10 mg/m ³ TRGS900
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Additional information: The lists valid during the making were used as basis.**8.2 Exposure controls****Suitable technical control devices**

Ensure good ventilation. This can be achieved by localised extraction or general ventilation. If this is not sufficient to keep the concentration below the occupational exposure limit, suitable breathing protection is to be worn.

Individual protection measures, such as personal protective equipment**General protective and hygienic measures:**

Wash hands before breaks and at the end of work.

Keep away from foodstuffs, beverages and feed.

Do not eat or drink while working.

Remove soiled clothing and wash it before wearing again.

Respiratory protection:

Ensure good ventilation/exhaustion at the workplace.

If the occupational exposure limit is exceeded:

The following breathing protection is recommended:

fine-dust filter mask (FFP 2)

wear particle filter DIN EN 143 - P2

Hand protection

Based on general industrial hygiene recommendations when handling chemicals the following recommendation is given:

PVC coated cotton gloves (e.g. EN 388, 374)

nitrile coated cotton gloves (e.g. EN 388, 374)

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection Safety glasses with side shields**Environmental exposure controls** No specific requirements.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state	Solid
Colour:	White
Odour:	Odourless
Melting point/freezing point:	>1,300 °C
Boiling point or initial boiling point and boiling range	Not applicable.
Flammability	Product is not flammable.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	Not applicable.
Auto-ignition temperature:	Not applicable.
Decomposition temperature:	Not determined.
pH	4-7
Viscosity:	
Kinematic viscosity	Not applicable.
Dynamic:	Not applicable.
Solubility	
water:	Insoluble.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not determined
Density and/or relative density	
Density:	Not determined.
Relative density	2 - 3
Bulk density:	~320 kg/m ³
Vapour density	Not applicable
Particle characteristics	D50 = 1.6 µm (ISO 13320)

9.2 Other information

Appearance:	
Form:	Powder
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Not determined.
Explosive properties:	Product does not present an explosion hazard.
Change in condition	
Evaporation rate	Not applicable

Information with regard to physical hazard classes

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

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SECTION 10: Stability and reactivity

10.1 Reactivity This material is considered to be non reactive under normal use conditions.

10.2 Chemical stability Stable under normal conditions.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid

Prevent formation of dust.

See Section 7 for information on safe handling.

10.5 Incompatible materials: No known incompatible materials.

10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

The product has not been fully tested.

The statements have been derived in parts from products of a similar structure or composition.

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

Oral	LD50	>2,000 mg/kg (rat) (OECD 401)
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Primary irritant effect:

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Values relevant for classification:

Serious eye damage/irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure

Repeated inhalative uptake of particles/dust reaching the alveoli may cause damage to the lungs.

Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties

According to the current state of scientific knowledge, there is no data for the product regarding endocrine disrupting properties with health effects.

SECTION 12: Ecological information

12.1 Toxicity There are no ecotoxicological data available on this product.

Aquatic toxicity:

LC50 / 96h	>100 mg/l (Oncorhynchus mykiss) (OECD203; ISO 7346; 92/69/EWG, C.1))
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EC50 / 48h	>1 mg/l (Daphnia magna) (OECD 202/1)
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EC50 / 72h	>100 mg/l (Scenedesmus subspicatus) (OECD 201)
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12.2 Persistence and degradability

Anorganic product, is not eliminable from water by means of biological cleaning processes.

The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

12.3 Bioaccumulative potential

Accumulation in organisms is not to be expected. Because of the product's consistency and low water solubility, bioavailability is improbable.

12.4 Mobility in soil No further relevant information available.

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REGULATION (EU) 2019/1148**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

Substance is not listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS Substance is not listed.**National regulations:****Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

15.2 Chemical safety assessment:

Exempted from REACH registration in accordance with Annex V.7.

A Chemical Safety Assessment has not been carried out.

SECTION 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.

The information provided here is accurate and reliable to the best of HOFFMANN MINERAL's knowledge and belief. However, no warranty or guarantee is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of the information provided for his own specific application.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

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

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International

Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

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