

**Safety data sheet**  
according to Regulation (EC) No 1907/2006, Article 31

**HOFFMANN  
MINERAL®**

Printing date 07.01.2026

Version: 3.00 (replaces version 2.00)

Revision: 07.01.2026

**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**

**Chemical Identification:** Pulverized Calcined Kaolin

**CAS Number:**

92704-41-1

**Registration number**

*Exempt from the requirement to register in accordance with Article V (7) of the 1907/2006 (REACH) regulation (EC).*

*(Natural substances, provided they have not been chemically modified)*

**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**

Pigment

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](http://www.hoffmann-mineral.com)

**Further information obtainable from:** [info@hoffmann-mineral.com](mailto: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**

**CAS No. Description**

92704-41-1 Kaolin, calcined

**Identification number(s)**

**EC number:** 296-473-8

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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:** Remove soiled clothing

**After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

**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.

If symptoms persist consult doctor.

### 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:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

**For safety reasons unsuitable extinguishing agents:** Water with full jet

### 5.2 Special hazards arising from the substance or mixture

The product is not flammable.

No further relevant information available.

**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**

Collect contaminated fire fighting water separately. It must not enter the sewage system.

## 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:

Do not allow to penetrate the ground/soil.

Do not allow to enter sewers/ surface or ground water.

### 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.

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See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

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## 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.

### 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 <sup>3</sup> TRGS900
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#### Dust, inhalable

##### General Exposure limit for dust

AGW (Germany)	Short-term value: 20 mg/m <sup>3</sup> Long-term value: 10 mg/m <sup>3</sup> 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:

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

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.

Use suitable respiratory protective device when high concentrations are present.

If the occupational exposure limit is exceeded:

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)

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

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**Eye/face protection**

Safety glasses with side shields

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**Environmental exposure controls** No specific requirements.

**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:**

Not applicable.

**Kinematic viscosity**

**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:**

280 - 320 g/l

**Vapour density**

Not determined

**Particle characteristics**

**Nanoform:**

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

**9.2 Other information**

**Appearance:**

Powder

**Form:**

**Important information on protection of health and environment, and on safety.**

**Ignition temperature:**

Product is not selfigniting.

**Explosive properties:**

Product does not present an explosion hazard.

**Change in condition**

Not applicable

**Evaporation rate**

**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

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<b>Self-heating substances and mixtures</b>	Void
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
<b>Oxidising liquids</b>	Void
<b>Oxidising solids</b>	Void
<b>Organic peroxides</b>	Void
<b>Corrosive to metals</b>	Void
<b>Desensitised explosives</b>	Void

## SECTION 10: Stability and reactivity

**10.1 Reactivity** Inert, not reactive.

**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** At the present state of knowledge, no negative ecological effects are expected.

**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 ( <i>Daphnia magna</i> ) (OECD 202/1)
EC50 / 72h	>100 mg/l ( <i>Scenedesmus subspicatus</i> ) (OECD 201)

**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.

**12.5 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.

**12.6 Endocrine disrupting properties**

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

**12.7 Other adverse effects** No further relevant information available.

**Additional ecological information:**

**General notes:** The product may not be released into the environment without control.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

This material is not classified as hazardous waste according to Commission Decision 2008/998/EC and 2000/532/EC.

**Recommendation**

Can be landfilled in compliance with local regulations. Where possible, recycling is preferred to disposal. The material should be stored in sealed containers to prevent the formation of dust.

Waste must be disposed of while observing the local, official regulations.

**Waste disposal key:**

For this product no waste code are defined according to the European Waste Catalogue, as the intended use by the user enables an allocation.

The waste code must be defined in agreement with the regional waste disposers.

**Uncleaned packaging:**

**Recommendation:**

Empty containers should be recycled, recovered or disposed of locally.

**Caution:** Dust may form when folding empty paper bags and big-bags. Ensure that appropriate health and safety measures are in place.

**SECTION 14: Transport information**

**14.1 UN number or ID number**  
**ADR/RID/ADN, IMDG, IATA**

Void

**14.2 UN proper shipping name**  
**ADR/RID/ADN, IMDG, IATA**

Void

**14.3 Transport hazard class(es)**

**ADR/RID/ADN, ADN, IMDG, IATA**  
**Class**

Void

**14.4 Packing group**  
**ADR/RID/ADN, IMDG, IATA**

Void

**14.5 Environmental hazards:**

Not applicable.

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<b>14.6 Special precautions for user</b>	Not applicable.
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
<b>UN "Model Regulation":</b>	Void

### **SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
**European Directives:**

**Directive 2010/75/EU (VOC)** not subject to

**Catégorie SEVESO (DIRECTIVE 2012/18/EU)** not subject to  
**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 pregnant and lactating women must be observed.

Employment restrictions concerning juveniles 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.

**Date of previous version:** 19.07.2023

**Version number of previous version:** 2.00

**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

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

EINECS: European Inventory of Existing Commercial 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

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