

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.06.2023

Version: 4.01 (replaces version 4.00)

Revision: 22.06.2023

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

1.1 Product identifier

Safety Data Sheet

This product is defined as an article under REACH and does not require a Safety Data Sheet under Article 31 of Regulation (EC) No. 1907/2006. Since an SDS is not required, this document does not contain all of the information that is required for substance and mixture SDSs under REACH.

Trade name:

Gloxil iM16k A

Gloxil iM16k MAM

Gloxil K25 MAM

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

Industrial uses

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 product 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

Additional information:

This material is exempt from hazard classification according to Regulation (EC) No. 1272/2008, as amended, on classification, labelling, and packaging of substances and mixtures.

2.3 Other hazards

Results of PBT and vPvB assessment

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

Ingredients:

CAS: 65997-17-3 EINECS: 266-046-0	Glass, oxide, chemicals (not fibrous)	75-100%
CAS: 7631-86-9 EINECS: 231-545-4	Silicon dioxide	1-<3%

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Additional information:**Bonding agents:**

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

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 symptoms persist consult doctor.

After eye contact:

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

Possible discomfort is due to foreign substance effect.

After swallowing:

Rinse out mouth and then drink plenty of water.

If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

See Section 11.1 Information on toxicological effects.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media**Suitable extinguishing agents:**

The product is not flammable.

Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture

None inherent in this product.

In case of fire, the following can be released:

Amine Compounds

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Ammonia

Poisonous gases/vapours

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.

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.

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6.3 Methods and material for containment and cleaning up:*Pick up mechanically.**Collect as much of the spilled material as possible. Use wet sweeping compound or water to avoid dusting.**Sweep up.**Clean up residue.**Dispose contaminated material as waste according to section 13.***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.**Do not breathe dust/fume/gas/mist/vapours/spray.**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.**Handle packaged products carefully to prevent accidental bursting.**Do not eat, drink, smoke or sniff while working.**Wash hands before breaks and at the end of work.***7.2 Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:** *No special requirements.***Information about storage in one common storage facility:** *Observe local/state/federal regulations.***Further information about storage conditions:***Store in dry conditions.**Keep container tightly sealed.***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:****CAS: 65997-17-3 Glass, oxide, chemicals (not fibrous)**

TWA (EU)	Long-term value: 10(E) / 3(A) mg/m ³ TWA = 1me weighted average 8h
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CAS: 7631-86-9 Silicon dioxide

AGW (Germany)	Long-term value: 4 E mg/m ³ DFG, 2, Y (TRGS 900)
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MAK LT. DFG (Germany)	Long-term value: 4 E mg/m ³ Schwangerschaft Gruppe C
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HSC -TWA (Great Britain)	Long-term value: 2.4 mg/m ³ as respirable dust
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HSC-TWA (Great Britain)	Long-term value: 6 mg/m ³ as inhalable dust
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Regulatory information AGW (Germany): TRGS 900**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.*

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Individual protection measures, such as personal protective equipment
General protective and hygienic measures: Remove soiled clothing and wash it before wearing again.

Respiratory protection:

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

Hand protection Not required in normal cases.

Eye/face protection

Safety glasses with side shields

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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:

Characteristic

Melting point/freezing point:

Undetermined.

Boiling point or initial boiling point and boiling range

Not applicable

Flammability

Product is not flammable.

Lower and upper explosion limit
Lower:

Not applicable

Upper:

Not applicable

Flash point:

Not applicable.

Decomposition temperature:

Not determined.

pH (50 g/l) at 20 °C

9-10

Viscosity:
Kinematic viscosity

Not applicable.

Solubility
water:

Not miscible or difficult to mix.

Partition coefficient n-octanol/water (log value)

Not determined.

Vapour pressure:

Not applicable.

Density and/or relative density
Density at 20 °C:
iM16kA/MAM 0.46 | K25 MAM 0.25 g/cm³
Particle characteristics
Nanoform:

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

D(50): iM16kA/MAM 18 - 22 µm (ISO 13320)

D(50): K25 MAM 51 - 55 µm (ISO 13320)

9.2 Other information
Appearance:
Form:

Powder

Important information on protection of health and environment, and on safety.
Ignition temperature:

Not applicable

Explosive properties:

Not classified

Change in condition
Softening point/range
Oxidising properties

Not classified

Evaporation rate

Not applicable.

Information with regard to physical hazard classes
Explosives

Void

Flammable gases

Void

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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

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 Hazardous polymerisation will not occur.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: strong acids

10.6 Hazardous decomposition products:

Oxides of sulphur (If Breakage Occurs)

Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

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

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

LD/LC50 values relevant for classification:

Oral	ATE	2,000-5,000 mg/kg (calculated)
Dermal	ATE	>5,000 mg/kg (estimated)

CAS: 65997-17-3 Glass, oxide, chemicals (not fibrous)

Oral	LD50	2,000-5,000 mg/kg (estimated)
Dermal	LD50	>5,000 mg/kg (estimated)

CAS: 7631-86-9 Silicon dioxide

Oral	LD50	>5,110 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
Inhalative	LC50 / 4h	>0.691 mg/l (rat)

Skin corrosion/irritation

Mechanical Skin irritation: Signs/symptoms may include abrasion, redness, pain, and itching.

Serious eye damage/irritation

Mechanical eye irritation: Signs/symptoms may include pain, redness, tearing and corneal abrasion.

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.

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

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

Additional toxicological information:
Values relevant for classification:
CAS: 7631-86-9 Silicon dioxide

Oral	NOAEL	509 mg/kg/day (rate (female)) (1 generation)
		497 mg/kg/day (rat (male)) (1 generation)
		1,350 mg/kg/day (rat) (during organogenesis)

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.

None of the ingredients is listed.

SECTION 12: Ecological information
12.1 Toxicity There are no ecotoxicological data available on this product.

Aquatic toxicity:
CAS: 65997-17-3 Glass, oxide, chemicals (not fibrous)

Konzentration ohne Wirkung	≥1,000 mg/l (algae) (experimentelles Ergebnis)
LC50 / 96h	>1,000 mg/l (Zebraärbling) (experimentelles Ergebnis)
EC50	>1,000 mg/l (algae) (experimentelles Ergebnis)
EC50 / 72h	>1,000 mg/l (algae) (experimentelles Ergebnis)
	>1,000 mg/l (Daphnia magna) (experimentelles Ergebnis)

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil

Please contact the address or phone number listed on the first page of the SDS for additional ecotoxicological information on this material and/or its components.

12.5 Results of PBT and vPvB assessment
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
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

Waste classified as hazardous according to Annex III to Directive 2008/98/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 disposal key:

The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control, no waste code(s) for products after use will be provided. Please refer to the European Waste

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Code (EWC - 2000/532/EC and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste contractor.

European waste catalogue

10 11 12 | waste glass other than those mentioned in 10 11 11

Uncleaned packaging:**Recommendation:** Disposal must be made according to official regulations.
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:
Marine pollutant: No

14.6 Special precautions for user Not applicable.

14.7 Maritime transport in bulk according to IMO
instruments Not applicable.

UN "Model Regulation": Void

SECTION 15: Regulatory information
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Carcinogenicity
CAS: 7631-86-9 - Silicon dioxide

Gr. 3: Not classifiable

[International Agency for Research on Cancer]

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))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is 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.

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15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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SECTION 16: Other information

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 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: 04.11.2022

Version number of previous version: 4.00

Abbreviations and acronyms:

NOEL = No Observed Effect Level

NOEC = No Observed Effect Concentration

LC = letal 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

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IOELV = indicative occupational exposure limit values

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