

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 06.04.2021

Version: 1.00

Revision: 17.03.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name: Gloxil SF 91 A****UFI: 3600-6055-7007-52SJ****1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

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.

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**

Eye Irrit. 2 H319 Causes serious eye irritation.

Additional information:

Due to a cryptocrystalline silica alveolar dust content of < 0.1% by weight (DIN EN 15051-B), classification in accordance with Regulation (EC) 1272/2008 is not required.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS07

Signal word Warning**Hazard statements**

H319 Causes serious eye irritation.

Precautionary statements

P280 Wear eye protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

Information concerning particular hazards for human and environment:Due to the potential for generation of airborne respirable cryptocrystalline silica (cryp. CS), lung fibrosis cannot be ruled out. Prolonged inhalation of large amounts of cryp. CS A-dust (> 0.10 mg/m³) may lead to silicosis. Occupational exposure to cryp. CS A-dust should be monitored and controlled (-> see section 8.2.).**2.3 Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description:

Surface treated mixture of Siliceous Earth, calcined and further inorganic fillers.
 Calcined Neuburg Siliceous Earth is an inorganic compound originating in nature and made up of amorphous and cryptocrystalline silica and lamellar kaolinite which has been treated thermally.
 As a unique mineralogical entity, calcined Neuburg Siliceous Earth has been assigned the following specific identification number(s): CAS 1214268-39-9 / EC: 310-127-6

Dangerous components:

CAS: 12508-61-1 ELINCS: 483-390-9 Reg.nr.: 01-0000020210-91-XXXX	Hexamagnesium trihydrate decahydroxide sulfate ⚠ Eye Irrit. 2, H319
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Additional information:
(Mineralogical structure Siliceous Earth, calcined)

7631-86-9 Cryptocrystalline Silica (alveolar dust quantity: < 0.1% by weight)

7631-86-9 Amorphous Silica

92704-41-1 Calcined Kaolin

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.

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:

Remove soiled clothing

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

If symptoms persist consult doctor.

After eye contact:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Seek medical treatment.

After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed Eye irritation

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.

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.

In case of fire, the following can be released:

Sulphur oxides (SOx)

5.3 Advice for firefighters

Protective equipment:

Do not inhale explosion gases or combustion gases.

The normal measures for firefighting are to be taken.

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

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See Section 8 for information on personal protection equipment.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid formation of dust.

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

Ensure adequate ventilation

Avoid contact with the eyes and skin.

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

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.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Information about storage in one common storage facility: No special measures required.

Further information about storage conditions:

Store in dry conditions.

Protect from heat and direct sunlight.

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:

a concentration of $\leq 0.10 \text{ mg/m}^3$ (average value for one shift) is observed for cryp. CS A-dust, it is highly likely that employees will not suffer from any silicotic disease.

Activities performed in dusty atmospheres must be monitored: dust samples must be taken in accordance with EN 481 and TRGS 402/A-dust concentration of cryptocrystalline in accordance with BIA 8522 (FTIR)

Dust, respirable

General Exposure limit for dust

LV - IRELAND (Ireland)	Long-term value: 4 mg/m^3
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Dust, inhalable

General Exposure limit for dust

LV - IRELAND (Ireland)	Long-term value: 10 mg/m^3
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DNELs
CAS: 12508-61-1 Hexamagnesium trihydrate decahydroxide sulfate

Dermal	DNEL	5 mg/kg bw/day (worker) (longterm systematic effects)
Inhalative	DNEL	1.7 mg/m ³ (worker) (longterm systematic effects)

PNECs
CAS: 12508-61-1 Hexamagnesium trihydrate decahydroxide sulfate

PNEC	100 mg/l (STP)
	0.1 mg/l (water (intermittent release))
	0.01 mg/l (water (fresh water))
	0.001 mg/l (water (sea water))

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.

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.

Immediately remove all soiled and contaminated clothing

Respiratory protection:

If A-dust exceeds the concentration of 0.10 mg/m³ cryp. CS, wear an appropriate fine-dust filter mask (FFP 2).

Protection of hands: Not required in normal cases.

Eye protection: Safety glasses with side shields

Limitation and supervision of exposure into the environment

Do not allow to enter into surface water or drains.

Ensure waste is collected and contained.

SECTION 9: Physical and chemical properties

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

Form:	Powder
Colour:	White
Odour:	Odourless
Odour threshold:	Not determined.

pH-value (100 g/l) at 20 °C: 7-10

Change in condition

Melting point/freezing point:	Not applicable
Initial boiling point and boiling range:	Not applicable.

Flash point: Not applicable.

Flammability (solid, gas): Product is not flammable.

Ignition temperature: Not applicable

Decomposition temperature: Not determined.

Auto-ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

Explosion limits:

Lower: Not determined.

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Upper:	Not determined.
Vapour pressure:	Not applicable.
Density at 20 °C:	2.4 g/cm ³
Relative density	Not determined.
Vapour density	Not applicable.
Evaporation rate	Not applicable.
Solubility in / Miscibility with water:	negligible
Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity No dangerous reactions known.

10.2 Chemical stability Stable under normal conditions.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid See Section 7 for information on safe handling.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: Sulphur oxides (SO_x)

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

LD/LC50 values relevant for classification:

CAS: 12508-61-1 Hexamagnesium trihydrate decahydroxide sulfate

Oral	LD50	>2,500 mg/kg (rat) (OECD 423)
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Dermal	LD 50	>2,000 mg/kg (rat) (OECD 402)
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Primary irritant effect:

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

Serious eye damage/irritation

Causes serious eye irritation.

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

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

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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

Prolonged inhalation of large amounts of cryp. CS A-dust (> 0.10 mg/m³) may lead to silicosis. Due to cryp. CS A-dust (DIN EN 15051-3) amounting to < 0.1% by weight, classification in accordance with Regulation (EC)1272/2008 is not required.

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

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SECTION 12: Ecological information

12.1 Toxicity

There are no ecotoxicological data available on this mixture.

Neuburg Siliceous earth belongs to the mineralogical class of silicates/oxides, these are commonly found in the earth's crust. They have no known harmful effects on the environment, nor are such effects to be expected.

Aquatic toxicity:
CAS: 12508-61-1 Hexamagnesium trihydrate decahydroxide sulfate

 LC50 / 96 h >38 mg/l (*Oncorhynchus mykiss*) (OECD 203)

 EC50 / 48h >38 mg/l (*Daphnia magna*) (OECD 202)

 ErC 50 / 72h 10 mg/l (*Desmodesmus subspicatus*) (OECD 201)

 NOEC / 72 h 2.35 mg/l (*Desmodesmus subspicatus*) (OECD 201)

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Additional ecological information:
General notes: The product may not be released into the environment without control.

12.5 Results of PBT and vPvB assessment
PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste classified as hazardous according to Annex III to Directive 2008/98/EC.

Recommendation Disposal must be made according to 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.

European waste catalogue

HP4 Irritant - skin irritation and eye damage

Uncleaned packaging:
Recommendation:

Disposal must be made according to official regulations.

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
ADR, IMDG, IATA**

Void

**14.2 UN proper shipping name
ADR, IMDG, IATA**

Void

14.3 Transport hazard class(es)
**ADR, ADN, IMDG, IATA
Class**

Void

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14.4 Packing group ADR, IMDG, IATA	Void
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
UN "Model Regulation":	Void

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Nothing additionally known beyond the information which are given in the sections 2., 8., 11., 12.

European Directives:
EC/1907/2006 (REACH)
EC/1272/2008 (CLP)
EC/648/2004

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: 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.

Relevant phrases

H319 Causes serious eye irritation.

Classification according to Regulation (EC) No 1272/2008

Serious eye damage/eye irritation	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.
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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 européen sur le transport 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
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 DNEL: Derived No-Effect Level (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 IOELV = indicative occupational exposure limit values
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2