

Safety data sheet

according to 1907/2006/EC, Article 31

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

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 15051-3), 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 GB 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:

According to information provided in the supply chain, the mix contains less than 0.1% of any substances classified as PBT

vPvB:

According to information provided in the supply chain, the mix contains less than 0.1% of any substances classified as vPvB.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.12.2022

Version: 2.00 (replaces version 1.00)

Revision: 12.12.2022

Trade name: Gloxil SF 91 A

(Contd. of page 1)

Determination of endocrine-disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to UK 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

3.2 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
--	--

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)

(Contd. on page 3)

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

Printing date 12.12.2022

Version: 2.00 (replaces version 1.00)

Revision: 12.12.2022

Trade name: Gloxil SF 91 A

(Contd. of page 2)

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.**See Section 8 for information on personal protection equipment.***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***For non-emergency personnel***The usual precautionary measures are to be adhered to when handling chemicals.**Avoid contact with the eyes and skin.***For emergency responders** *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.***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.**Store in cool, dry conditions in well sealed receptacles.***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.**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)*

(Contd. on page 4)

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

Printing date 12.12.2022

Version: 2.00 (replaces version 1.00)

Revision: 12.12.2022

Trade name: Gloxil SF 91 A

(Contd. of page 3)

Dust, respirable**General Exposure limit for dust**LV - IRELAND (Ireland) Long-term value: 4 mg/m³**Dust, inhalable****General Exposure limit for dust**LV - IRELAND (Ireland) Long-term value: 10 mg/m³**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/m³ (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.

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.

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).**Hand protection** Not required in normal cases.**Eye/face protection** Safety glasses with side shields**Environmental exposure controls**

Do not allow to enter into surface water or drains.

Make sure that waste is collected and securely stored.

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:

Not applicable

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.

Ignition temperature:

Not applicable

Decomposition temperature:

Not determined.

pH (100 g/l) at 20 °C

7-10

Viscosity:**Kinematic viscosity**

Not applicable.

(Contd. on page 5)

GB

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

Printing date 12.12.2022

Version: 2.00 (replaces version 1.00)

Revision: 12.12.2022

Trade name: Gloxil SF 91 A

(Contd. of page 4)

Solubility	
water:	negligible
Vapour pressure:	Not applicable.
Density and/or relative density	
Density at 20 °C:	2.4 g/cm ³
Vapour density	Not applicable.
Particle characteristics	D50: 3.3 µm (ISO13320) See item 3.

9.2 Other information

Appearance:	
Form:	Powder
Important information on protection of health and environment, and on safety.	
Auto-ignition temperature:	Product is not selfigniting.
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

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 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:

CAS: 12508-61-1 Hexamagnesium trihydrate decahydroxide sulfate

Oral	LD50	>2,500 mg/kg (rat) (OECD 423)
------	------	-------------------------------

Dermal	LD 50	>2,000 mg/kg (rat) (OECD 402)
--------	-------	-------------------------------

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

(Contd. on page 6)

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

Printing date 12.12.2022

Version: 2.00 (replaces version 1.00)

Revision: 12.12.2022

Trade name: **Gloxil SF 91 A**

(Contd. of page 5)

Serious eye damage/irritation Causes serious eye irritation.

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

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.

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:

Repeated dose toxicity 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.

None of the ingredients is listed.

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.

12.5 Results of PBT and vPvB assessment

PBT:

According to information provided in the supply chain, the mix contains less than 0.1% of any substances classified as PBT

vPvB:

According to information provided in the supply chain, the mix contains less than 0.1% of any substances classified as vPvB

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.

GB

(Contd. on page 7)

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

Printing date 12.12.2022

Version: 2.00 (replaces version 1.00)

Revision: 12.12.2022

Trade name: **Gloxil SF 91 A**

(Contd. of page 6)

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 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

Nothing additionally known beyond the information which are given in the sections 2., 8., 11., 12.

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.

(Contd. on page 8)

GB

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

Printing date 12.12.2022

Version: 2.00 (replaces version 1.00)

Revision: 12.12.2022

Trade name: Gloxil SF 91 A

(Contd. of page 7)

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.
-----------------------------------	--

Date of previous version: 22.04.2021**Version number of previous version:** 1.00**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

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK 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

Sources

"Regulation (EC) Nr. 1907/2006 (UK REACH), 1272/2008 (GB 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.**