

## Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 23.03.2023

Version number 1

Revision: 23.03.2023

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

#### 1.1 Product identifier

Trade name **Heboroc**

**Safety data sheet no.:** WK PS007

**Registration number** 01-2119444918-26-xxxx

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

The product is intended for industrial or professional use.

#### Application of the substance / the mixture

Gypsum plaster

Dental plaster for models

#### 1.3 Details of the supplier of the safety data sheet

##### Manufacturer/Supplier:

Saint-Gobain Formula GmbH.

Kutzhütte.

37445.

Walkenried

Germany.

Phone: +49 5525 2030

E-mail: [msds-formula@saint-gobain.com](mailto:msds-formula@saint-gobain.com)

#### 1.4 Emergency telephone number:

Austria +43 1 406 43 43 (24 hrs)

Belgium +32 70 245 245 (24 hrs)

Bulgaria +359 2 9154 378/+359 887 435 325 (24 hrs)

China +86 10 660 981 14 (24 hrs)

Czechia (Czech Republic) +420 22 49 192 93 (24 hrs)

Denmark +45 82 12 12 12 (24 hrs)

Finland +358 9 471977 (24 hrs)

France +33 (0)1 40 05 48 48 (24 hrs)

Germany +49 30 192 40 (24 hrs)

Greece +30 21 07 79 37 77 (24 hrs)

Hungary +36 80 20 11 99 (24 hrs)

India +91 112 659 36 77 or +91 112 658 93 91 (24 hrs)

Indonesia +62 813 1082 6879 (24 hrs)

Ireland +353 1 809 2166 (24 hrs)

Morocco +212 537 68 64 64 / 0801 000 180 (24 hrs)

Netherlands +31 (0)30 274 88 88 (24 hrs)

Northern Ireland 844 892 0111 (24 hrs)

Norway +47 22 59 13 00 (24 hrs)

Portugal 808 250 143 (national callers) (24 hrs)

Romania +402 212 106 282 (24 hrs)

Saudi Arabia 937; 800 442 8800 (national callers) (24 hrs)

Spain +34 91 562 0420 (24 hrs)

Switzerland +41 44 251 51 51 (in Switzerland dial 145) (24 hrs)

Thailand 1367, Line ID poisrequest (national callers) +66 (0)220 11084-6 (24 hrs)

Tunisia +216 1 335 500 (24 hrs)

Turkey +90 0312 433 70 01 or 0 800 314 7900 (24 hrs)

UK 844 892 0111 (24 hrs)

USA 1 800 222 1222 (24 hrs)

Vietnam +84 (0)243 869 3731, ext 6821 (08.00-17.00 Monday-Friday)

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### 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:

Safety data sheet available on request.

This Safety Data Sheet is provided by the supplier on a voluntary basis according to the Article 32 of the Regulation (EC) No 1907/2006 (REACH).

#### 2.3 Other hazards

##### Results of PBT and vPvB assessment

**PBT:** Does not contain PBT substances.

**vPvB:** Does not contain vPvB substances.

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

##### CAS No. Description

CAS: 7778-18-9 calcium sulphate, natural

##### Identification number(s):

**EC number:** 231-900-3

#### 3.2 Mixtures

##### Description:

Mixture consisting of the following components.

Mixture of substances without any hazardous components

##### Dangerous components:

CAS: 7778-18-9 EINECS: 231-900-3 Reg.nr.: 01-2119444918-26-xxxx	calcium sulphate, natural substance with a Community workplace exposure limit	75-100%
CAS: 21645-51-2 EINECS: 244-492-7 Reg.nr.: 2119529246-39-0008	aluminium hydroxide substance with a Community workplace exposure limit	2-5%

**SVHC** Void

**Additional information** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

**General information** No special measures required.

**After inhalation** Seek medical treatment in case of complaints.

##### After skin contact

Rinse with warm water.

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Generally the product does not irritate the skin.  
If skin irritation continues, consult a doctor.

**After eye contact**

Rinse opened eye for several minutes under running water. Rinse liquid should be tempered (20-30°C).  
Seek medical treatment.

**After swallowing** If symptoms persist consult a 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**

No further relevant information available.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing agents** The product is not combustible.**5.2 Special hazards arising from the substance or mixture** No further relevant information available.**5.3 Advice for firefighters****Protective equipment:** No special measures required.**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures** Not required.**6.2 Environmental precautions:** Prevent seepage into sewage system, workpits and cellars.**6.3 Methods and material for containment and cleaning up:**

Dispose of contaminated material as waste according to section 13.

Ensure adequate ventilation.

**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**

No special measures required.

Provide suction extractors if dust is formed.

**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:**

Store only in unopened original receptacles.

**Information about storage in one common storage facility:** Store away from water.**Further information about storage conditions:** Store in dry conditions.**7.3 Specific end use(s)** No further relevant information available.

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

**Ingredients with limit values that require monitoring at the workplace:**

<b>DNELs</b>		
<b>CAS: 7778-18-9 calcium sulphate, natural</b>		
Oral	Derived No Effect Level	1.52 mg/kgxday (consumer systemic long term value) 11.4 mg/kgxday (consumer systemic short term value)
Inhalative	Derived No Effect Level	21.17 mg/m <sup>3</sup> (worker systemic long term value) 5,082 mg/m <sup>3</sup> (worker systemic short term value) 5.29 mg/m <sup>3</sup> (consumer systemic long term value) 3,811 mg/m <sup>3</sup> (consumer systemic short term value)
<b>CAS No. / Designation of material / % / Type / Value / Unit</b>		
<b>CAS: 7778-18-9 calcium sulphate, natural</b>		
AGW (Germany)	Long-term value: 6 A mg/m <sup>3</sup> DFG	
LEP (Spain)	Long-term value: 10 mg/m <sup>3</sup> e	
TWA (Italy)	Long-term value: 10 mg/m <sup>3</sup> (i)	
VLE (Portugal)	Long-term value: 10 mg/m <sup>3</sup> Fração inalável; Sintomas nasais	
<b>CAS: 21645-51-2 aluminium hydroxide</b>		
AGW (Germany)	Long-term value: 1.25* 10** mg/m <sup>3</sup> 2(II);*alveolengängig**einatembar; AGS, DFG, Y	
GV (Denmark)	Short-term value: 2 mg/m <sup>3</sup> Long-term value: 1 mg/m <sup>3</sup> som Al	
OEL (Sweden)	Long-term value: 1 mg/m <sup>3</sup> som Al; totaldamm	
HTP (Finland)	Long-term value: 2 mg/m <sup>3</sup> Al	

#### 8.2 Exposure controls

**Appropriate engineering controls** No further data; see item 7.

**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.

Store protective clothing separately.

Use a moisturising skin cream after processing the product.

Do not eat or drink while working.

**Respiratory protection:** Not required.

**Hand protection** Protective gloves should be used if there is a risk of a constant direct contact.

**Eye/face protection** Safety glasses.

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Body protection: Protective work clothing.

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### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

##### General Information

<b>Physical state</b>	Solid.
<b>Colour:</b>	Blue
<b>Odour:</b>	Odourless
<b>Odour threshold:</b>	Not determined.
<b>Melting point/freezing point:</b>	~1,450 °C (DIN ISO 3016)
<b>Boiling point or initial boiling point and boiling range</b>	Undetermined.
<b>Flammability</b>	Product is not flammable.
<b>Lower and upper explosion limit</b>	

<b>Lower:</b>	Not determined.
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21645-51-2	aluminium hydroxide	X Vol. %
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<b>Upper:</b>	Not determined.
<b>Flash point:</b>	Not applicable
<b>Ignition temperature:</b>	Not determined.
<b>Decomposition temperature:</b>	Not determined.
<b>pH at 20 °C</b>	6-8
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not applicable.
	Not applicable.
<b>dynamic:</b>	Not applicable.
	Not applicable.

##### Solubility

<b>Water at 20 °C:</b>	2.4 g/l
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure:</b>	Not applicable.
	Not applicable.

##### Density and/or relative density

<b>Density at 20 °C:</b>	2.31-2.97 g/cm <sup>3</sup> (DIN 51757)
<b>Relative density</b>	Not determined.
<b>Bulk density:</b>	700-1,100 kg/m <sup>3</sup>
<b>Vapour density</b>	Not applicable.
<b>Particle characteristics</b>	See item 3.

#### 9.2 Other information

No further relevant information available.

##### Appearance:

<b>Form:</b>	Powder
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##### Important information on protection of health and environment, and on safety.

<b>Auto-ignition temperature:</b>	Product is not self-igniting.
<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>EU-VOC (%)</b>	0.0000 %
<b>EU-VOC (g/L)</b>	0.0000 g/l
<b>Solids content:</b>	100.0 %

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<b>Change in condition</b>	
<b>Softening point/range</b>	
<b>Oxidising properties</b>	Not determined.
<b>Evaporation rate</b>	Not applicable.

**Information with regard to physical hazard classes**

<b>Explosives</b>	Void
<b>Flammable gases</b>	Void
<b>Aerosols</b>	Void
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	Void
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Void
<b>Pyrophoric solids</b>	Void
<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** Not reactive under normal conditions of use

**10.2 Chemical stability** Stable at recommended storage conditions

**Thermal decomposition / Conditions to be avoided:**  
No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions** No dangerous reactions known

**10.4 Conditions to avoid**  
Avoid water ingress/moisture during storage (the product will react with moisture and harden).

**10.5 Incompatible materials:** No further relevant information available.

**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**

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

**LD/LC50 values relevant for classification:**

Components	/	Type	/	Value	/	Species
<b>CAS: 7778-18-9 calcium sulphate, natural</b>						
Oral	LD50	>2,000	mg/kg	(Rat)		

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**CAS: 21645-51-2 aluminium hydroxide**

Oral LD50 &gt;2,000 mg/kg (Rat)

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

None of the ingredients is listed.

## SECTION 12: Ecological information

**12.1 Toxicity****Aquatic toxicity:** Not classified as harmful to aquatic life**Type of test / Effective concentration / Method / Assessment****CAS: 7778-18-9 calcium sulphate, natural**

LC50/48h 79-1,970 mg/l (Daphnia magna)

LC50/96h &gt;79 mg/l (Oryzias latipes (Japanese medaka))

79-2,980 mg/l (Fish)

EC50/72h &gt;79 mg/l (Selenastrum capricornutum (Green algae))

**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:** Does not contain PBT substances.**vPvB:** Does not contain vPvB substances.**12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

**12.7 Other adverse effects****Behaviour in sewage processing plants:****Type of test / Effective concentration / Method / Assessment****CAS: 7778-18-9 calcium sulphate, natural**

EC 50 (3h) &gt;1,000 mg/l (Activated sludge)

**Additional ecological information:****General notes:** Do not allow product to reach ground water, water course or sewage system.

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**REGULATION (EU) 2019/1148**

<b>Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))</b>
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None of the ingredients is listed.
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<b>Annex II - REPORTABLE EXPLOSIVES PRECURSORS</b>
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None of the ingredients is listed.
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<b>Regulation (EC) No 273/2004 on drug precursors</b>
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None of the ingredients is listed.
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<b>Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors</b>
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None of the ingredients is listed.
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**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.

**Department issuing SDS:** Technical Services

**Contact:**

44 (0) 1636 670230

msds-formula@saint-gobain.com

**Abbreviations and acronyms:**

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

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern (REACH regulation)

vPvB: very Persistent and very Bioaccumulative

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

According to Annex II of the REACH regulation, the modified sections in this version of the Safety Data Sheet in comparison with the previous one are marked with asterisks.