

Safety Data Sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 05.04.2024

Version number 6

Revision: 05.04.2024

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**Trade name: Zementmörtel / Mauermörtel (DIY)

Safety data sheet no.: 49PB21003

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 Construction chemicals**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Saint Gobain Weber GmbH

Schanzenstr. 84

D-40549 Düsseldorf

+49(0)211/91369-0

e-mail: Produktsicherheit@sg-weber.de

1.4 Emergency telephone number:

Emergency medical information in case of poisoning:

Poison Information Centre Mainz - Tel.: +49 (0) 6131 19240 (advice in German or English)

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

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

GHS05

Signal word Danger

Hazard-determining components of labelling:

cement portland, grey

Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements

P101

If medical advice is needed, have product container or label at hand.

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Trade name: Zementmörtel / Mauermörtel (DIY)

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P102 Keep out of reach of children.
 P103 Read carefully and follow all instructions.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor.
 P362 Take off contaminated clothing.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

Determination of endocrine-disrupting properties Not applicable.

SECTION 3: Composition/information on ingredients
3.2 Mixtures
Description: Ready-mixed mortar with Portland cement

Dangerous components:

CAS: 14808-60-7 EINECS: 238-878-4	Silicon dioxide (Quartz sand) substance with a Community workplace exposure limit	50-75%
CAS: 65997-15-1 EINECS: 266-043-4	cement portland, grey ☠ Eye Dam. 1, H318; ☠ Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335, EUH203 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 1 % Eye Dam. 1; H318: C ≥ 1 %	10-20%
CAS: 1317-65-3 EINECS: 215-279-6	calcium carbonate substance with a Community workplace exposure limit	10-20%
CAS: 68475-76-3 EINECS: 270-659-9 Reg.nr.: 01-2119486767-17-xxxx	Flue dust, portland cement ☠ Eye Dam. 1, H318; ☠ Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	≥0.1-<1%

SVHC Void

Additional information

The mixture is "low chromate" according to the Regulation (EC) No 1272/2008 within the product shelf-life, so that the classification with H317 is not applicable, when the packing was not opened in the meantime.

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 Immediately remove any clothing soiled by the product.

After inhalation Supply fresh air; consult doctor in case of complaints.

After skin contact

Immediately wash with water and soap and rinse thoroughly.

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If skin irritation continues, consult a doctor.

After eye contact

Rinse opened eye for several minutes under running water. Then consult doctor. Rinse liquid should be tempered (20-30°C).

After swallowing

Rinse out mouth with water. Do not induce vomiting. Seek medical attention and present this data sheet.

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** Use fire extinguishing methods suitable to surrounding conditions.**5.2 Special hazards arising from the substance or mixture** No further relevant information available.**5.3 Advice for firefighters****Protective equipment:** Use methods suitable to surrounding conditions.**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

Avoid formation of dust.

6.2 Environmental precautions: Do not allow product to reach sewage system or any water course.**6.3 Methods and material for containment and cleaning up:** Pick up mechanically.**6.4 Reference to other sections** 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.

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:

Do not store together with acids.

Store away from foodstuffs.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Protect from humidity and water.

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EUG

Trade name: Zementmörtel / Mauermörtel (DIY)

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:

DNELs

CAS: 68475-76-3 Flue dust, portland cement

Inhalative	Derived No Effect Level	4 mg/m ³ (worker local short term value) 0.84 mg/m ³ (worker local long term value) 0.84 mg/m ³ (consumer local long term value) 4 mg/m ³ (consumer local short term value)
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PNECs

CAS: 68475-76-3 Flue dust, portland cement

Predicted No-Effect Concentration	5 mg/kgxdwt (earth rating factor)
Predicted No-Effect Concentration	0.028 mg/l (sea water rating factor) 0.282 mg/l (fresh water rating factor)

CAS No. / Designation of material / % / Type / Value / Unit

CAS: 14808-60-7 Silicon dioxide (Quartz sand)

BOELV (European Union)	Long-term value: 0.1* mg/m ³ *respirable fraction
MAK (Germany)	alveolengängige Fraktion
GV (Denmark)	Short-term value: 0.6* 0.2** mg/m ³ Long-term value: 0.3* 0.1** mg/m ³ *total; **total, respirabel: K
LEP (Spain)	Long-term value: 0.05 mg/m ³ *Fracción resp:n,d,y
TWA (Italy)	Long-term value: 0.025 mg/m ³ A2, (j)
VLE (Portugal)	Long-term value: 0.025 mg/m ³ Resp.;A2; fibrose pulmonar; cancro do pulmão
OEL (Sweden)	Long-term value: 0.1 mg/m ³ C, M, respirabel fraktion
HTP (Finland)	Long-term value: 0.05 0.1* mg/m ³ alveolijae;*sitovat raja-arvot, pöly

CAS: 65997-15-1 cement portland, grey

AGW (Germany)	Long-term value: 5 E mg/m ³ DFG
LEP (Spain)	Long-term value: 4 mg/m ³ fracción respirable: e, d
TWA (Italy)	Long-term value: 1 mg/m ³ (e, j), A4
VLE (Portugal)	Long-term value: 1 mg/m ³ Fração resp.;A4,função pulm.,sintomas resp.,asma

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HTP (Finland)	Long-term value: 5* 1** mg/m ³ *hengittyvä pöly, **alveolijae
CAS: 1317-65-3 calcium carbonate	
TWA (Italy)	Long-term value: 10 mg/m ³ (e)

Additional Occupational Exposure Limit Values for possible hazards during processing:Total inhalable dust: 10 mg/m³Respirable dust (< 5 µm): 4 mg/m³Quartz respirable dust (< 5 µm) : 0,15 mg/m³**Additional information:**

The applicable TRGS 900 (MAK list) was used as the basis for the preparation and/or revision of this safety data sheet.

8.2 Exposure controls**Appropriate engineering controls** No further data; see section 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.

Immediately remove all soiled and contaminated clothing.

Avoid contact with the eyes and skin.

Do not eat or drink while working.

Wash hands before breaks and at the end of work.

Use a moisturising skin cream after processing the product.

Respiratory protection:

Not necessary if room is well-ventilated.

In case of brief exposure or low pollution use respiratory filter device.

In case of intensive or longer exposure use self-contained respiratory protective device.

Short term filter device:

Filter P2.

Hand protection

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Nitrile impregnated cotton gloves complying with the standard EN 374-1.

Recommended thickness of the material: ≥ 0.15 mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

Breakthrough time: > 480 min

Value for the permeation: Level ≤ 6

The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection Tightly sealed goggles**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

Colour:	According to product specification
Odour:	Characteristic
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range	Undetermined.
Flammability	Product is not flammable.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	Not applicable
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
pH at 20 °C	>12.0 (DIN 19261) In water

Viscosity:

Kinematic viscosity	Not applicable.
dynamic:	Not applicable.

Solubility

Water at 20 °C:	1.5 g/l
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not applicable.
Density and/or relative density	
Density:	Not applicable.
Bulk density:	Not determined.
Vapour density	Not applicable.

Particle characteristics

See section 3.

9.2 Other information

Appearance:	None.
Form:	Powder
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Product is not self-igniting.
Explosive properties:	Product does not present an explosion hazard.
Minimum ignition energy	
Solvent content:	
Organic solvents:	0.0 %
EU-VOC (%)	0.0000 %
EU-VOC (g/L)	0.0000 g/l
Solids content:	100.0 %
Change in condition	
Softening point/range	
Oxidising properties	Not determined.

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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 further relevant information available.

10.2 Chemical stability

Thermal decomposition / Conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

Reacts with light alloys in the presence of moisture to form hydrogen

10.4 Conditions to avoid No further relevant information available.

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
CAS: 65997-15-1 cement portland, grey			
Dermal	LD50	>2,000 mg/kg	(Rabbit)
CAS: 1317-65-3 calcium carbonate			
Oral	LD50	>5,000 mg/kg	(Rat)
CAS: 68475-76-3 Flue dust, portland cement			
Oral	LD50	>2,000 mg/kg	(Rat)

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Trade name: Zementmörtel / Mauermörtel (DIY)

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Dermal	LD50	>2,000 mg/kg (Rat)
Inhalative	LC50/4 h	6.04 mg/l (Rat)

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye damage.

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: No further relevant information available.

Type of test / Effective concentration / Method / Assessment
CAS: 1317-65-3 calcium carbonate

LC50/96h	>10,000 mg/l (Oncorhynchus mykiss (Rainbow trout))
EC50/48h	>1,000 mg/l (Daphnia magna)
EC50/72h	>200 mg/l (Algae)

CAS: 68475-76-3 Flue dust, portland cement

EC50/72h	22.4-28.2 mg/l (aquatic algae and cyanobacteria)
NOEC (96h)	11.1 mg/l (Fish)
NOEC (48h)	100 mg/l (aquatic invertebrates)
EC 10	10.3 mg/l (aquatic algae and cyanobacteria) 425 mg/l (microorganisms)

12.2 Persistence and degradability No further relevant information available.

Other information: The product is not easily biodegradable.

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 No further relevant information available.

Remark:

The product contains substances which causes severe clouding in water

The product contains substances which cause a local pH change and thus have a detrimental effect on fish and bacteria.

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Trade name: Zementmörtel / Mauermörtel (DIY)

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Behaviour in sewage processing plants:

Type of test / Effective concentration / Method / Assessment

CAS: 68475-76-3 Flue dust, portland cement

EC 50 (3h) | 596-743 mg/l (microorganisms)

Remark: The product causes a significant pH change. Neutralise before introduction.

Additional ecological information:

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Product hardens after adding water after 5 to 6 hours and can then be disposed of as building rubbish. Possible waste code 17 09 04.

European waste catalogue

10 13 11	wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
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10 13 14	waste concrete and concrete sludge
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Uncleaned packaging:

Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

Recommended cleaning agent:

Water, if necessary together with cleansing agents.

Thoroughly shake out sacks.

SECTION 14: Transport information

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

Void

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

Void

14.3 Transport hazard class(es)

**ADR, ADN, IMDG, IATA
Class**

Void

**14.4 Packing group
ADR, IMDG, IATA**

Void

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

Not applicable.

**14.7 Maritime transport in bulk according to
IMO instruments**

Not applicable.

Transport/Additional information:

Not dangerous according to the above specifications.

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Trade name: Zementmörtel / Mauermörtel (DIY)

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UN "Model Regulation":

Void

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No 1907/2006 (REACH) (Candidate List, Annexes XIV and XVII)

Regulation (EC) No 1272/2008 (CLP)

Regulation (EU) 2020/878 (amending REACH Annex II on the compilation of safety data sheets)

Labelling according to Regulation (EC) No 1272/2008 cf. section 2

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

REGULATION (EC) No 1907/2006 ANNEX XVII

The marketing and use of cement is subject to a restriction on the content of soluble Cr (VI) (REACH Annex XVII Entry no. 47 Chromium VI compounds)

Conditions of restriction: 47

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

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.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

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.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

Relevant phrases

The following list of relevant hazard statements is the full text of hazard statements mentioned elsewhere in this safety data sheet (in particular in the section 3) and is reported as required by the Regulation (EC) No 1907/2006 (REACH), Annex II, and the following amendments (Regulation (EU) 2020/878). The statements mentioned here do not refer to the product itself, but refer to the individual ingredients in the products, and are provided for information.

H315 Causes skin irritation.

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H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

EUH203 Contains chromium (VI). May produce an allergic reaction.

Classification according to Regulation (EC) No 1272/2008

Skin corrosion/irritation

Serious eye damage/irritation

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Department issuing SDS: Product safety department.**Contact:** Produktsicherheit@sg-weber.de**Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

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)

PNEC: Predicted No-Effect Concentration (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

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

*** 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.