

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 28.06.2021

Version number 4 (replaces version 3)

Revision: 28.06.2021

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

1.1 Product identifier

Trade name weber.fug 873

Safety data sheet no.: 49PD20221

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 Grouting mortar

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

email: Produktsicherheit@sg-weber.de

1.4 Emergency telephone number: Telefon: +49(0)6131-19240

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.

STOT SE 3 H335 May cause respiratory 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 GHS07

Signal word Danger**Hazard-determining components of labelling:**

cement portland, grey

calcium diformate

Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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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.

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	25-50%
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 %	25-50%
CAS: 69012-64-2 EINECS: 273-761-1	amorphous silica (fume) substance with a Community workplace exposure limit	2-5%
CAS: 544-17-2 EINECS: 208-863-7 Reg.nr.: 01-2119486476-24-xxxx	calcium diformate ☠ Eye Dam. 1, H318	1%
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.

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).

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After swallowing Drink plenty of water and provide fresh air. Call for a doctor immediately.**Information for doctor** None**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.

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.

Dispose of the material collected according to regulations.

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:

Store away from foodstuffs.

Do not store together with acids.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Protect from humidity and water.

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: 544-17-2 calcium diformate

Oral	Derived No Effect Level	23.9 mg/kgxday (consumer systemic long term value)
Dermal	Derived No Effect Level	4,780 mg/kgxday (worker systemic long term value)
		4,780 mg/kgxday (worker systemic short term value)
		2,390 mg/kgxday (consumer systemic long term value)
		2,390 mg/kgxday (consumer systemic short term value)
Inhalative	Derived No Effect Level	16.7 mg/cm ² (worker local short term value)
		16.7 mg/cm ² (worker local long term value)
		8.3 mg/cm ² (consumer local long term value)
		8.3 mg/cm ² (consumer local short term value)
		337 mg/m ³ (worker systemic long term value)
		337 mg/m ³ (worker systemic short term value)
		83.2 mg/m ³ (consumer systemic long term value)
		83.2 mg/m ³ (consumer systemic short term value)

PNECs

CAS: 65996-69-2 Slags, ferrous metal, blast furnace

Predicted No Effect Concentration	1,000 mg/kgxdwt (earth rating factor)
Predicted No Effect Concentration	500 mg/l (sea water rating factor)
	5,000 mg/l (fresh water rating factor)

CAS: 544-17-2 calcium diformate

Predicted No Effect Concentration	1.5 mg/kgxdwt (earth rating factor)
	13.4 mg/kgxdwt (sediment distribution balance)
	1.34 mg/kgxdwt (sea water distribution balance)
Predicted No Effect Concentration	2.21 mg/l (earth rating factor)
	0.2 mg/l (sea water rating factor)
	2 mg/l (fresh water rating factor)

CAS No.	Designation of material	%	Type	Value	Unit
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CAS: 14808-60-7 Silicon dioxide (Quartz sand)

BOELV (European Union)	Long-term value: 0.1* mg/m ³ *respirable fraction
MAK (Germany)	Long-term value: 0.05 mg/m ³ alveolengängige Fraktion
GV (Denmark)	Long-term value: 0.3* 0.1** mg/m ³ *total.; **total, respirabel, EK
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

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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
HTP (Finland)	Long-term value: 5* 1** mg/m ³ *hengittyvä pöly, **alveolijae
CAS: 69012-64-2 amorphous silica (fume)	
AGW (Germany)	Long-term value: 0.3 A mg/m ³ DFG, Y, 1
GV (Denmark)	Long-term value: 2 mg/m ³ respirabel
LEP (Spain)	Long-term value: 2* mg/m ³ *Fracción respirable: d
TWA (Italy)	Long-term value: (2) mg/m ³ (j); silice, fumi
VLE (Portugal)	Long-term value: 2 mg/m ³ Irritacao; febre

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 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.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Use a moisturising skin cream after processing the product.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

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.

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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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Colour: According to product specification

Odour: Odourless

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: Product is not selfigniting.

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 Zement

Partition coefficient n-octanol/water (log value) Not determined.

Vapour pressure: Not applicable.

Density and/or relative density

Density: Not applicable.

Bulk density: 1120 kg/m³

Vapour density Not applicable.

Particle characteristics See item 3.

9.2 Other information None.

Appearance:

Form: Powder

Important information on protection of health and environment, and on safety.

Ignition temperature: Not determined

Explosive properties: Product does not present an explosion hazard.

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Minimum ignition energy

Solvent content:

Organic solvents: 0.0 %

EU-VOC (%): 0.0 %

EU-VOC (g/L)

Solids content: 100 %

Change in condition

Softening point/range

Oxidising properties: Not determined.

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)

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CAS: 65996-69-2 Slags, ferrous metal, blast furnace

Oral LD50 >2,000 mg/kg (Rat)

Dermal LD50 >4,000 mg/kg (Rat)

CAS: 544-17-2 calcium diformate

Oral LD50 2,650 mg/kg (Rat)

Skin corrosion/irritation
CAS: 544-17-2 calcium diformate

Dermal OECD 404 Acute Dermal Irritation/Corrosion 0 points (Rabbit Skin - Erytherma/crust)

Serious eye damage/irritation

Causes serious eye damage.

CAS: 544-17-2 calcium diformate

Irritation of eyes	OECD 405 Acute Eye Irritation/Corrosion	1.5 points (rabbit edema of conjunctiva)
		1.7 points (rabbit iris lesion)
		1.9 points (rabbit redening of conjunctive)
		1.7 points (rabbit turbidity of Horny skin)

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

May cause respiratory irritation.

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: 65996-69-2 Slags, ferrous metal, blast furnace

LC50/96h >100 mg/l (Leuciscus idus (Orfe))

LC0/96h >100 mg/l (Leuciscus idus (Orfe))

EC50/72h >90,000 mg/l (Algae)

NOEC (72h) 50-100 mg/l (Algae)

NOEC (21d) 1,563 mg/l (Daphnia magna)

EC 0/48h >100 mg /l (Daphnia magna)

CAS: 544-17-2 calcium diformate

IC50/72h >1,000 mg/l (Algae)

LC50/96h <1,000 mg/l (Fish)

LC0/48h 1,000 mg/l (Leuciscus idus (Orfe))

LC0/96h 1,000 mg/l (Brachydanio rerio (zebra danio))

NOEC (21d) >1,000 mg/l (Daphnia magna)

12.2 Persistence and degradability No further relevant information available.

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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.

Behaviour in sewage processing plants:

Type of test	Effective concentration	Method	Assessment
CAS: 65996-69-2 Slags, ferrous metal, blast furnace			
EC 50 (3h)	>10,000 mg/l	(Activated sludge)	
CAS: 544-17-2 calcium diformate			
EC 50 (3h)	>10,000 mg/l	(Activated sludge)	

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

Possible waste code. The concrete waste code depends on the source of the waste.

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

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

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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.

UN "Model Regulation":

Void

SECTION 15: Regulatory information

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

Directive 2012/18/EU

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

REGULATION (EC) No 1907/2006 ANNEX XVII 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.

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

H315 Causes skin irritation.

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.

Department issuing SDS: Product safety department.

Contact: Produktsicherheit@sg-weber.de; tel. +49(0)2363/399-210

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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.