Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 19.10.2022 Version number 5 (replaces version 4) Revision: 19.10.2022

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

1.1 Product identifier
Trade name weber REP 970 Concrete Fine Repair

Safety data sheet no.: 358P0122
1.2 Relevant identified uses of the substance or mixture and uses advised against
Application of the substance / the mixture Construction chemicals

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier:
Saint-Gobain Finland Oy / Weber
PL 70
(Strömberginkuja 2)
FIN-00381 Helsinki

Tel. +358-(0)10-44 22 00
Fax +358-(0)10-44 22 295
DL-productsafety.fi@saint-gobain.com
www.fi.weber
1.4 Emergency telephone number:
0800 147 111 (toll-free)
09 471 977 (standard rate)
Finnish Poison Information Centre

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008
Skin Irrit. 2 H315 Causes skin irritation.
Eye Dam. 1 H318 Causes serious eye damage.
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.

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P102	Keep out of reach of children.
P261	Avoid breathing dust.
P280	Wear protective gloves / eye protection / face 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.
P310	Immediately call a POISON CENTER/doctor.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards
The product contains silica sand with less than 1% of fine fraction and therefore is not classified as hazardous; however, pay attention when handling and follow the indications relating to personal protective equipment.
Under the conditions of conservation, the reducing agent used keeps the content of soluble chromium (VI) below 2 ppm until the expiration date indicated.
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: 471-34-1 EINECS: 207-439-9 Reg.nr.: 01-2119486795-18-xxxx	calcium carbonate 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: 14808-60-7 EINECS: 238-878-4	Silicon dioxide (Quartz sand) substance with a Community workplace exposure limit	10-25%
CAS: 25322-68-3 NLP: 500-038-2 Reg.nr.: 01-2119958801-32-xxxx	Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated substance with a Community workplace exposure limit	1-2%
CAS: 544-17-2 EINECS: 208-863-7 Reg.nr.: 01-2119486476-24-xxxx	calcium diformate Eye Dam. 1, H318	1%

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

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The product contains silica sand composed of quartz (crystalline silica) with a fine fraction below 1%. The respirable fraction has an occupational exposure limit value (cf. section 8).

SECTION 4: First aid measures

4.1 Description of first aid measures
After inhalation Supply fresh air; consult doctor in case of complaints.
After skin contact Immediately wash with water and soap and rinse thoroughly.
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
This powder (wet or dry) may cause irritation or potentially irreversible serious injury on contact with the eyes. Prolonged contact with moist skin (due to e.g. sweat or humidity) can cause skin irritation
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.
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
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:
The dry powder and the fresh product is removed with water. The hardened product is removed mechanically.
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.

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Provide suction extractors if dust is formed.
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:
Store only in unopened original receptacles.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: Store in dry conditions.
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:

DNELs		
CAS: 471-34-1 calcium carbonate		
Inhalative	Derived No Effect Level	6.36 mg/m³ (worker local long term value)
		1.06 mg/m³ (consumer local long term value)
CAS: 25322-68-3 Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated		
Oral	Derived No Effect Level	40 mg/kgxday (consumer systemic long term value)
Dermal	Derived No Effect Level	112 mg/kgxday (worker systemic long term value)
		40 mg/kgxday (consumer systemic long term value)
	Derived No Effect Level	112 mg/cm² (worker systemic long term value)
Inhalative	Derived No Effect Level	40.2 mg/m³ (worker systemic long term value)
		7.14 mg/m³ (consumer systemic long term value)
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)
	Derived No Effect Level	16.7 mg/cm² (worker local short term value)
		16.7 mg/cm² (worker local long term value)
		8.3 mg/cm² (consumer local long term value)
		8.3 mg/cm² (consumer local short term value)
Inhalative	Derived No Effect Level	337 mg/m³ (worker systemic long term value)
		337 mg/m³ (worker systemic short term value)
		83.2 mg/m³ (consumer systemic long term value)
		83.2 mg/m³ (consumer systemic short term value)

PNECs	
CAS: 25322-68-3 Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	
Predicted No-Effect Concentration	273 mg/l (fresh water rating factor)

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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	
CAS: 471-34-1 calcium carbonate	
LEP (Spain)	Long-term value: 10 mg/m³
TWA (Italy)	Long-term value: (10) mg/m³ (e)
VLE (Portugal)	Long-term value: (10) mg/m³ (Irritação)
CAS: 65997-15-1 cement portland, grey	
AGW (Germany)	Long-term value: 5 E mg/m³ DFG
LEP (Spain)	Long-term value: 4 mg/m³ fracción respirable: e, d
TWA (Italy)	Long-term value: 1 mg/m³ (e, j), A4
VLE (Portugal)	Long-term value: 1 mg/m³ Fração resp.;A4,função pulm.,sintomas resp.,asma
HTP (Finland)	Long-term value: 5* 1** mg/m³ *hengittyvä pöly, **alveolijae
CAS: 14808-60-7 Silicon dioxide (Quartz sand)	
BOELV (European Union)	Long-term value: 0.1* mg/m³ *respirable fraction
MAK (Germany)	Long-term value: 0.05 mg/m³ alveolengängige Fraktion
GV (Denmark)	Long-term value: 0.3* 0.1** mg/m³ *total:,**total, respirabel, EK
LEP (Spain)	Long-term value: 0.05 mg/m³ *Fracción resp:n,d,y
TWA (Italy)	Long-term value: 0.025 mg/m³ A2, (j)
VLE (Portugal)	Long-term value: 0.025 mg/m³ Resp.;A2; fibrose pulmonar; cancro do pulmão
OEL (Sweden)	Long-term value: 0.1 mg/m³ C, M, respirabel fraktion
HTP (Finland)	Long-term value: 0.05 0.1* mg/m³ alveolijae;*sitovat raja-arvot, pöly
CAS: 25322-68-3 Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	
AGW (Germany)	Long-term value: 200 E mg/m³ 2(II);DFG, Y

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Additional Occupational Exposure Limit Values for possible hazards during processing:
Total inhalable dust: 10 mg/m³
Respirable dust (< 5 µm): 4 mg/m³

8.2 Exposure controls
Individual protection measures, such as personal protective equipment
General protective and hygienic measures:
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.
Filter P3.
Hand protection
Protective gloves.
The hands must be cleaned from the powder before putting on the gloves.
The glove material has to be impermeable and resistant to the product/ the substance/ the mixture.
Eye/face protection Safety glasses.
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:	Specific type
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
Ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
pH	12-13 In water
Viscosity:	
Kinematic viscosity	Not determined.
dynamic:	Not determined.
Solubility	
Water:	Miscible
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not applicable.

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Density and/or relative density	
Density:	1.5-1.7 g/cm³
Vapour density	Not applicable.
Particle characteristics	See item 3.
9.2 Other information	No further relevant information available.
Appearance:	
Form:	Powder
Important information on protection of health and environment, and on safety.	
Explosive properties:	Product does not present an explosion hazard.
Minimum ignition energy	
Solvent content:	
Organic solvents:	0.0 %
EU-VOC (g/L)	
Solids content:	100.0 %
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 When mixed with water the product hardens forming a stable non-reactive mass.
10.2 Chemical stability Stable at recommended storage conditions
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: Acids, ammonium salts, aluminum, non-precious metals.

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10.6 Hazardous decomposition products: No dangerous decomposition products known.

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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: 471-34-1 calcium carbonate			
Oral	LD50	6,450 mg/kg (Rat)	
Dermal	LD50	6,450 mg/kg (Rat)	
CAS: 65997-15-1 cement portland, grey			
Dermal	LD50	>2,000 mg/kg (Rabbit)	
CAS: 25322-68-3 Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated			
Oral	LD50	>2,000 mg/kg (Rat)	
Dermal	LD50	>2,000 mg/kg (Rat)	
CAS: 544-17-2 calcium diformate			
Oral	LD50	2,650 mg/kg (Rat)	
Dermal	LD50	>2,000 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		
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 redenning of conjuntive) 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.

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SECTION 12: Ecological information

12.1 Toxicity
Aquatic toxicity: Not classified as harmful to aquatic life

Type of test	Effective concentration Method Assessment
CAS: 471-34-1 calcium carbonate	
EC50/72h	14 mg/l (Algae)
CAS: 25322-68-3 Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	
LC50/96h	100 mg/l (Fish)
EC50/48h	2,774 mg/l (Activated sludge)
	100 mg/l (Daphnia magna)
EC50/96h	100 mg/l (Algae)
NOEC (21d)	17,475 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))
EC50/48h	1,000 mg/l (Daphnia magna)
EC50/72h	570-1,000 mg/l (Algae)
NOEC (72h)	63-500 mg/l (Algae)
NOEC (21d)	100 mg/l (Daphnia magna)

12.2 Persistence and degradability The product is not biodegradable.
12.3 Bioaccumulative potential Does not accumulate in organisms
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 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: 544-17-2 calcium diformate	
EC 50 (3h)	>10,000 mg/l (Activated sludge)

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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	
17 01 01	concrete
16 03 03*	inorganic wastes containing hazardous substances
10 13 11	wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
HP4	Irritant - skin irritation and eye damage
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

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.
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)

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Cement clinker is exempted from REACH registration (REACH Article 2(7)(b) and Annex V point 10)

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 point 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.

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:
Saint-Gobain Finland Oy / Weber
QEHS
P.O.Box 70 (Strömberginkuja 2)
FI-00381 Helsinki
Contact:
Tel. +358-(0)10-44 22 00
Fax +358-(0)10-44 22 520
Version number of previous version: 4
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

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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.