Safety Data Sheet

according to Regulation (EC) No 1907/2006, Article 31, as amended by Regulation (EU) 2020/878.

Printing date 19.02.2026 Version number 3 (replaces version 2) Revision: 19.02.2026

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

1.1 Product identifier
Trade name: weber REP flow

Safety data sheet no.: XXP013860
UFI: 1630-20FH-400V-3K5H
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 Concrete/mortar

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
Results of in vitro- tests have shown that cement based mixtures with more than 1% of cement cause serious skin irritation and serious eye damage, therefore the classification of these mixtures regarding H315 and H318 is not based on the calculation of the ingredients or the pH in this case.

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

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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/hearing 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+P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents/container in accordance with local/regional/national/ internationalcregulations.

Additional information:
Contains portland cement with a soluble chromium VI content under 2 ppm during the conservation period indicated on the packaging.
2.3 Other hazards
Product mixed with water gives a pH of approx 13.
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 (See section 8).
Results of PBT and vPvB assessment
PBT: Doe cnot contain PBT substances.
vPvB: Does not contain vPvB substances.

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Description: Mixture consisting of the following components.

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 % substance with a Community workplace exposure limit	25-50%
CAS: 1317-65-3 EINECS: 215-279-6 Reg.nr.: 01-2119486795-18-xxxx	limestone substance with a Community workplace exposure limit	2-5%

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CAS: 471-34-1 EINECS: 207-439-9 Reg.nr.: 01-2119486795-18-xxxx	Calcium carbonate substance with a Community workplace exposure limit	2-5%
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	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 statements 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.

Never administer anything by mouth to an unconscious person.

If unconscious, place the patient in a stable side position and consult a doctor

After inhalation Supply fresh air and to be sure call for a doctor.

After skin contact Immediately rinse with water.

After eye contact

Rinse immediately and abundantly with water. Seek medical attention, if pain or redness persists. Remove contact lenses, if possible. Continue rinsing

Seek immediate medical advice.

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

The product is not combustible.

Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

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5.3 Advice for firefighters
Protective equipment:
Use methods suitable to surrounding conditions.
Wear fully protective suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.
Avoid contact with skin and eyes.
Avoid formation of dust.
Ensure adequate ventilation.
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
Avoid onta t with skin and eyes.
Prevent formation of dust.
Provide su tion extra tors if dust is formed.
Produ ts must be stored in their original pa kaging, prote ted from the effe ts of weather and soil moisture.
Pa kaging must remain undamaged to prevent the produ t from leaking into the environment.
When opening the pa kaging, avoid spillage of the produ t.
Apply the produ t a ording to the instru tions for use.
Colle t water from leaning of tools or other equipment for reuse or disposal a ording to lo al regulations. Do not dispose leaning water into the environment or stormwater drains.
Information about fire - and explosion protection: No spe ial measures required.

7.2 Conditions for safe storage including any incompatibilities
Storage
Requirements to be met by storerooms and receptacles: Store only in the original re epta le.
Information about storage in one common storage facility: Store away from foodstuffs.
Further information about storage conditions:
Store in ool, dry onditions in well sealed re epta les.
Prote t from humidity and water.

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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: 1317-65-3 limestone		
Oral	Derived No Effect Level	6.1 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	6.36 mg/m³ (worker local long term value)
		1.06 mg/m³ (consumer local long term value)
CAS: 471-34-1 Calcium carbonate		
Oral	Derived No Effect Level	6.1 mg/kgxday (consumer systemic long term value)
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)

PNECs	
CAS: 25322-68-3 Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	
Predicted No-Effect Concentration	46.4 mg/kgxdwt (earth rating factor)
Predicted No-Effect Concentration	27.3 mg/l (sea water rating factor)
	273 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/m³ *respirable fraction
MAK (Germany)	alveolengängige Fraktion
GV (Denmark)	Short-term value: 0.6* 0.2** mg/m³ 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)

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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;*sitova arvo 113/24, pöly
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: 1317-65-3 limestone	
TWA (Italy)	Long-term value: 10 mg/m³ (e)
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: 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

Additional Occupational Exposure Limit Values for possible hazards during processing:
Total inhalable dust: 10 mg/m³ ; Respirable dust: 1 mg/m³
UK and Ireland: Total inhalable dust: 10 mg/m³ ; Respirable dust: 4 mg/m³
Quartz respirable dust:
European Union: 0,1mg/m3
UK: 0,1 mg/m³
Ireland: 0,1 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.

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Provide adequate general ventilation and local process ventilation. Use local exhaust ventilation if necessary.
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.
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.

Material of gloves
Nitrile gloves, complying with the standard EN 374-1.
Recommended thickness of the material: ≥ 0.11 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
The exact breaktrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection
Tightly sealed goggles
Protective eyewear complying with EN ISO 16321-1:2022

Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information	
Physical state	Solid.
Colour:	Grey
Odour:	Characteristic
Odour threshold:	Not determined
Melting point/freezing point:	Undetermined
Boiling point or initial boiling point and boiling range	Not applicable
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	Alkaline

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Viscosity:	
Kinematic viscosity	Not applicable.
dynamic:	Not applicable.
Solubility	
Water:	Hardens when in contact with water.
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure:	Not applicable.
Density and/or relative density	
Density:	Not applicable. Not determined
Relative density	Not determined
Vapour density	Not applicable
Particle characteristics	See section 3.
9.2 Other information	None.
Appearance:	
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.
EU-VOC (%)	0.0000 %
EU-VOC (g/L)	0.0000 g/l
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

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Desensitised explosives	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		
CAS: 65997-15-1 cement portland, grey		
Dermal	LD50	>2,000 mg/kg (Rabbit)
CAS: 1317-65-3 limestone		
Oral	LD50	>2,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)
CAS: 471-34-1 Calcium carbonate		
Oral	LD50	>2,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)
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)

Primary irritant effect:
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
May cause respiratory irritation.
STOT-repeated exposure Based on available data, the classification criteria are not met.

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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: 1317-65-3 limestone	
LC50/96h	>100 mg/l (Fish)
EC50/48h	>100 mg/l (aquatic invertebrates)
EC50/72h	>14 mg/l (aquatic algae and cyanobacteria)
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	>100 mg/l (aquatic invertebrates)
	2,774 mg/l (microorganisms)
EC50/96h	>100 mg/l (aquatic algae and cyanobacteria)
NOEC (21d)	17,475.27 mg/l (Daphnia magna)
NOEC (28d)	13,671.586 mg/l (Fish)

12.2 Persistence and degradability No further relevant information available.

Method	
CAS: 1317-65-3 limestone	
Biod. (28 days)	>90 %
CAS: 25322-68-3 Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	
Biod. (28 days)	>70 %

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

Remark: Contact with water gives a high pH which can be harmful to aquatic organisms.

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Behaviour in sewage processing plants:

Type of test / Effective concentration / Method / Assessment	
CAS: 1317-65-3 limestone	
EC 50 (3h)	>1,000 mg/l (microorganisms)
CAS: 471-34-1 Calcium carbonate	
EC 50 (3h)	1,000 mg/l (microorganisms)

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.
Cleaning of silos and bulk trucks must be done according to national regulations to avoid discharged of product or wastewater into the environment.
When cleaning tools: remove product residues from the mixing and application tools before cleaning them with water.
Follow the producers use and disposal instructions to avoid the releases to the environment. Cleaning with a high-pressure cleaner is not recommended, as this could result in the release of the product to the environment, which must be avoided.
Process mortar residues to let them harden, before returning the residues to recycling or disposing them of in accordance with applicable requirements.

European waste catalogue	
10 13 14	waste concrete and concrete sludge
10 13 11	wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
17 01 01	concrete
HP4	Irritant - skin irritation and eye damage
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP13	Sensitising

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.
Recommended cleaning agent: Thoroughly shake out sacks.

SECTION 14: Transport information

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

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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)
Directive 2008/98/EC on waste, as amended (EU Waste Framework Directive)
This product is subject to the Regulation (EU) 2023/2055 amending REACH Annex XVII 'Restriction List' as regards Synthetic Polymer Microparticles (Entry no.78 on the List).
Under the conditions of conservation, the reducing agent used keeps the content of soluble chromium (VI) below 2 ppm unti the expiration date indicated.
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 isted.

REGULATION (EU) 2017/852 on mercury (Annex I)
None of the ingredients is listed.

REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)
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

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Regulation (EU) No 649/2012
None of the ingredients is listed.

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.

REGULATION (EU) 2024/590 on substances that deplete the ozone layer
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 Sheets 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.
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	Skin irritation 2, H315. based on cement based mixtures in-vitro test results
Serious eye damage/irritation	Eye damage 1, H318. based on cement based mixtures in-vitro test results
Specific target organ toxicity (single exposure)	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

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Safety Data Sheet

according to Regulation (EC) No 1907/2006, Article 31, as amended by Regulation (EU) 2020/878.

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Trade name: weber REP flow

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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.