

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 02.06.2021

Version number 1

Revision: 27.05.2021

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

1.1 Product identifier

Trade name webercol megaflex

Safety data sheet no.: XXP016367

UFI: 3H00-50PA-P005-T92D

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 Ready-to-use mortar

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Saint-Gobain Construction Products Belgium NV/SA – Division Weber

Exploitatietzetel/Siège d'exploitation

Oostvaardijk 10

B-1850 Grimbergen

Tel : +32 (0) 2 254 78 54

Maatschappelijke zetel/Siège social

Sint-Jansweg 9

B-9130 Kallo

Website: www.weber-belgium.beEmail: info@weber-belgium.be

1.4 Emergency telephone number:

Poison center: +32 (0)70 245 245

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.



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

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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calcium diformate

Hazard statements

- H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H317 May cause an allergic skin reaction.
 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 Take off contaminated clothing.
 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.

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: Mixture of substances listed below with non hazardous additions.

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: 544-17-2 EINECS: 208-863-7 Reg.nr.: 01-2119486476-24-xxxx	calcium diformate ⚠ Eye Dam. 1, H318	1-2%

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.

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).

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

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SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove the victim immediately from the danger area. If the patient is unwell consult a doctor and present this data sheet.

After inhalation

In case of unconsciousness place patient stably in side position for transportation.

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

After skin contact

Immediately rinse with water.

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

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.

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.

Ensure adequate ventilation.

6.2 Environmental precautions: No special measures required.

6.3 Methods and material for containment and cleaning up: Pick up 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

Thorough dedusting.

Keep receptacles tightly sealed.

Provide suction extractors if dust is formed.

Information about fire - and explosion protection: No special measures required.

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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.

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.

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)
		16.7 mg/cm ² (worker local short term value)
Inhalative	Derived No Effect Level	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

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

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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
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

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 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 skin.

Avoid contact with the eyes and skin.

Use a moisturising skin cream after processing the product.

Respiratory protection:

Not necessary if room is well-ventilated.

Short term filter device:

Filter P2.

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.

Hand protection Protective gloves.

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

Eye/face protection Tightly sealed goggles

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Body protection: Protective work clothing.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

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:	Product is not selfigniting.
Decomposition temperature:	Not determined.
pH	Not applicable
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 item 3.

9.2 Other information

Appearance:	None.
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.
Minimum ignition energy	
Solvent content:	
Organic solvents:	0.1 %
EU-VOC (g/L)	
Solids content:	100.0 %
Change in condition	
Softening point/range	
Oxidising properties	Not determined.
Evaporation rate	Not applicable.

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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 Stable at recommended storage conditions

Thermal decomposition / Conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

Reacts with acids

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

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)
Copolymer of acrylic acid ester + ethylene +vinylester +additives			
Oral	LD50	>2,000 mg/kg	(Rat)
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)

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Skin corrosion/irritation

Causes skin irritation.

CAS: 544-17-2 calcium diformate

Dermal	OECD 404 Acute Dermal Irritation/Corrosion	0 points (Rabbit Skin - Erytherma/crust)
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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 May cause an allergic skin reaction.

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: Not classified as harmful to aquatic life

Type of test	Effective concentration	Method	Assessment
Copolymer of acrylic acid ester + ethylene +vinylester +additives			
LC50/96h	>100 mg/l	(Cyprinus Carpio (common carp))	
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.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

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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:

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.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

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
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:

Water, if necessary together with cleansing agents.

Thoroughly shake out sacks.

SECTION 14: Transport information

14.1 UN number or ID number

ADR, IMDG, IATA

Void

14.2 UN proper shipping name

ADR, 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

Regulation (EC) No 1272/2008 (CLP)

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

Contains Portland cement with a soluble chromium VI content under 2 ppm during the conservation period indicated on the packaging

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.

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.

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H318 Causes serious eye damage.
H335 May cause respiratory irritation.
EUH203 Contains chromium (VI). May produce an allergic reaction.

Department issuing SDS: Department Research & Development

Contact:

R&D manager
+32 (0) 2 254 78 54

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.