

Safety Data Sheet

according to Regulation (EC) No 1907/2006

VELOSIT Mortar and Cement

Date: 25.02.2015

Revision date: 06.08.2020

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

1.1. Product identifier

VELOSIT Mortar and Cement (NG 512)

Further trade names / Item numbers

VELOSIT CP 200, CP 201, DS 271, DS 272, LS 225, NG 511, NG 512, PC 221, PC 222, RM 202, RM 203, RM 204, RM 205, RM 208, RM 210, RM 224, SC 240, SC 241, SC 244, SC 245, SC 250, SC 252, SC 253, SL 501, SL 502, SL 503, SL 505, SL 506, SL 507, SL 525, SR 207, WP 100, WP 101, WP 120 (A-Comp. powder), WP 124 (A-Comp. powder)

UFI: 17NE-ESPE-7FCV-2N9V

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

Building material

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Company name:	VELOSIT GmbH & Co.KG	
Street:	Industriepark 7	
Place:	D-32805 Horn-Bad Meinberg	
Telephone:	+49 52 33 / 9 51 - 7 3 00	Telefax: +49 52 33 / 9 51 - 73 01
e-mail:	info@velosit.de	
Internet:	www.velosit.de	
Responsible Department:	QM/QS	

1.4. Emergency telephone number:

+49 52 33 / 9 51 - 73 00 (Mo.-Fr.: 8.00-16.00 h)

Further Information

Emergency telephone number:

Austria (A): Vergiftungsinformationszentrale Wien: +43 1 406 43 43

Belgium (B): Centre Antipoisons: +32 70 245245

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Dam. 1

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Causes skin irritation.

Causes serious eye damage.

May cause respiratory irritation.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

portland cement

calcium sulfoaluminate clinker

Signal word: Danger

Pictograms:



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Hazard statements

H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H335 May cause respiratory irritation.

Precautionary statements

P261 Avoid breathing dust.
 P280 Wear protective gloves/protective clothing/eye protection.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
If the product is available for everybody, additionally:
 P102 Keep out of reach of children.
 P501 Dispose of contents/container in accordance with official regulations

2.3. Other hazards

The product develops an alkaline pH value with moisture and can cause irritation. Wear protective gloves.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Cement, binder, aggregates (sand, chalk), flux agents, additives

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
65997-15-1	portland cement			< 20 %
	266-043-4			
	Skin Irrit. 2, Eye Dam. 1, STOT SE 3; H315 H318 H335			
65997-15-1	calcium sulfoaluminate clinker			< 15 %
	934-133-9			
	Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, STOT SE 3; H315 H318 H317 H335			

Full text of H and EUH statements: see section 16.

Further Information

Products containing cement, low in chromate according to Directive No. 1907/2006/EG, Annex XVII (47)
 Due to chrome-VI content less than 2 ppm, declaration with H317 is not required.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice.

After inhalation

Provide fresh air. If experiencing respiratory symptoms: Call a doctor.

After contact with skin

Wash with plenty of soap and water. In case of skin irritation, consult a physician.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Do not rub eyes.

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After ingestion

Rinse mouth immediately and drink plenty of water. Do not induce vomiting. Call a doctor if you feel unwell. If medical advice is needed, have product container or label at hand.

4.2. Most important symptoms and effects, both acute and delayed

May damage the eye-cornea. Irritation to respiratory tract, skin, mucosa. May cause dermatitis

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguishing powder, carbon dioxide, foam, water spray jet

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Non-flammable.

5.3. Advice for firefighters

Co-ordinate fire-fighting measures to the fire surroundings. Use water spray jet to protect personnel and to cool endangered containers.

Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Avoid dust formation. Take up mechanically. Provide adequate ventilation. Treat the recovered material as prescribed in the section on waste disposal. Clean contaminated articles and floor according to the environmental legislation.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Avoid dust formation. Do not breathe dust.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

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Advice on storage compatibility

No special measures are necessary.

Further information on storage conditions

Storage temperature: 5-25°C

7.3. Specific end use(s)

Cement

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
471-34-1 / 1317-65-3	Calcium carbonate, respirable dust	-	4		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
65997-15-1	Portland cement, inhalable dust Calcium sulfoaluminat clinker, inhalable dust	-	10		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
65997-15-1	Portland cement, respirable dust Calcium sulfoaluminat clinker, respirable dust	-	4		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

DNEL/DMEL values

CAS No	Substance			
DNEL type	Exposure route	Effect	Value	
471-34-1	calcium carbonate			
Worker DNEL, long-term	inhalation	local	4.26 mg/m ³	
Consumer DNEL, long-term	inhalation	local	1.06 mg/m ³	

PNEC values

CAS No	Substance		
Environmental compartment	Value		
471-34-1	calcium carbonate		
Micro-organisms in sewage treatment plants (STP)	100 mg/l		

Additional advice on limit values

General dust limits WEL-TWA: 10 mg/m³ (total inhalable dust), 4 mg/m³ (respirable dust)

8.2. Exposure controls

Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe dust. mit dem Pulver Avoid contact with eyes and skin.

Protective and hygiene measures

Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink. Provide adequate ventilation. Do not breathe dust.

Eye/face protection

. Tightly sealed safety glasses according to EN166

Hand protection

Wear protective gloves according to EN 374. Material: alkali-resistant, abrasion resistant, waterproof

Skin protection

Wear suitable protective clothing.

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Respiratory protection

In case of inadequate ventilation wear respiratory protection.
Particle filter device (DIN EN 143) recommended

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: solid, powder
Colour: grey
Odour: odourless

Test method

pH-Value (at 20 °C): 11-13.5 10%ig in Wasser

Changes in the physical state

Melting point: > 1000 °C
Initial boiling point and boiling range: not determined
Flash point: not applicable

Flammability

Solid: not determined
Gas: not applicable

Lower explosion limits: not determined
Upper explosion limits: not determined

Auto-ignition temperature

Solid: not determined
Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties

Not oxidising.

Vapour pressure: not determined

Density (at 20 °C): 2.75-3.5 g/cm³

Bulk density (at 20 °C): 0.9-1.5 kg/m³

Water solubility: reacts with water
(at 20 °C)

Solubility in other solvents

not determined

Partition coefficient: not determined

Vapour density: not determined

Evaporation rate: not determined

9.2. Other information

Solid content: 100%

SECTION 10: Stability and reactivity

10.1. Reactivity

Contact with water liberates silicate hydrate and calcium hydroxide.
After curing no reactivity

10.2. Chemical stability

The product is stable at normal ambient temperatures.

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10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Humidity, water

10.5. Incompatible materials

Strong acids, strong alkali, base metals

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Irritation and corrosivity

Causes skin irritation. Causes serious eye damage.
May cause respiratory irritation.

Sensitising effects

Not sensitising.

Carcinogenic/mutagenic/toxic effects for reproduction

No information available.

STOT-single exposure

Irritation to respiratory tract and mucosa

STOT-repeated exposure

No information available.

Aspiration hazard

Not applicable

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity

The product is not ecotoxic.

12.2. Persistence and degradability

Product is inorganic.

The methods for determining the biological degradability are not applicable to inorganic substances.

After curing, the cement has no toxicity

12.3. Bioaccumulative potential

Not applicable. Product is inorganic.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

Further information

Main components are not harmful to aquatic organisms.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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Advice on disposal

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation. Allow product to harden, then dispose of as construction waste.

Waste disposal number of waste from residues/unused products

101311 WASTES FROM THERMAL PROCESSES; wastes from manufacture of cement, lime and plaster and articles and products made from them; wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10

Waste disposal number of contaminated packaging

150101 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); paper and cardboard packaging

Contaminated packaging

Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

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Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

Additional information

No restriction according to REACH, mixture does not contain SVHC $\geq 0.1\%$ (w/w)

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water contaminating class (D): 1 - slightly water contaminating

Additional information

TRGS 613 (D), REACH Annex XVII (47)

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

Revised due to Directive (EU) No. 2015/830

Abbreviations and acronyms

ADR: Accord européen sur le transport 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

GHS: Globally Harmonized 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

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Eye Dam. 1; H318	Calculation method
STOT SE 3; H335	Calculation method

Relevant H and EUH statements (number and full text)

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

Identified uses

No	Short title	LCS	SU	PC	PROC	ERC	AC	TF	Specification
1	Products containing cement, low in chromate	PW, C	19	9b	-	-	-	-	Cement

LCS: Life cycle stages

PC: Product categories

ERC: Environmental release categories

TF: Technical functions

SU: Sectors of use

PROC: Process categories

AC: Article categories

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(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)