

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**VELOSIT Mortar and Cement**

Date: 25.02.2015

Revision date: 12.03.2018

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

VELOSIT Mortar and Cement

**Further trade names / Item numbers**

VELOSIT WP 100, WP101, WP102, WP120, WP 121, WP 124, CP201, RM202, RM203, RM204, RM205, SR 207, FF220, PC221, PC222, SC241, SL501, SL502, SL503, NG511, DK701, RM223, RM224, LS225, SL504

**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 5233/951-7302	Telefax: ++49 5233/951-7301
e-mail:	info@velosit.de	
Internet:	www.velosit.de	
Responsible Department:	QM/QS	

**1.4. Emergency telephone number:** ++49 5233/951-7300 (Mo.-Fr.: 8.00-16.00h)**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 <sup>3</sup>	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	Exposure route	Effect	Value
471-34-1	calcium carbonate			
Worker DNEL, long-term		inhalation	local	4.26 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	local	1.06 mg/m <sup>3</sup>

**PNEC values**

CAS No	Substance	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/m<sup>3</sup> (total inhalable dust), 4 mg/m<sup>3</sup> (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/cm<sup>3</sup>

Bulk density (at 20 °C): 0.9-1.5 kg/m<sup>3</sup>

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.)*