

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.11.2017

Version number 2

Revision: 22.05.2017

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

#### 1.1 Product identifier

Trade name webercem RS350 grigio

Safety data sheet no.: 39PW00364

#### 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** Construction chemicals

#### 1.3 Details of the supplier of the safety data sheet

**Manufacturer/Supplier:**

Saint-Gobain PPC Italia S.p.A.

Sede legale: Via Ettore Romagnoli, 6 - 20146 Milano

Direzione Generale e Direzione Amministrativa attività WEBER:

Via Sacco e Vanzetti, 54

41042 Fiorano Modenese (MO)

Tel: + 39 0536 837111

Fax: + 39 0536 832670

www.netweber.it

e-mail: sdsPPC@saint-gobain.com

#### 1.4 Emergency telephone number:

Centro Antiveleni Niguarda tel. 02/66101029 (24 ore / 24 hours)

### 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, chemicals  
calcium dihydroxide

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**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 label before use.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P302+P352 IF ON SKIN: Wash with plenty of soap and 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.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3 Other hazards**

The product contains a reducing agent effective for the whole shelf-life of the product (if stored properly as indicated), in order to keep the content of water-soluble chromium (VI) deriving from cement below 0,0002%.

**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 Chemical characterisation: Mixtures**

**Description:** Mixture of substances listed below with non hazardous additions.

**Dangerous components:**

CAS: 65997-15-1 EINECS: 266-043-4	Cement, portland, chemicals ☠ Eye Dam. 1, H318; ☠ Skin Irrit. 2, H315; Skin Sens. 1B, H317; STOT SE 3, H335	10-20%
CAS: 1305-62-0 EINECS: 215-137-3 Reg.nr.: 01-2119475151-45-xxxx	calcium dihydroxide ☠ Eye Dam. 1, H318; ☠ Skin Irrit. 2, H315; STOT SE 3, H335	5-10%

SVHC Void

**Additional information**

Under the conditions of conservation, the reducing agent used keeps the content of soluble chromium (VI) below 2 ppm until the expiration date indicated.  
 For the wording of the listed hazard phrases refer to section 16.

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

**After skin contact**

Immediately wash with water and soap and rinse thoroughly.  
 If skin irritation continues, consult a doctor.

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**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 and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

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

When in contact with the eyes, the dust of the mixture (dry or wet) may cause irritation or serious injury also potentially irreversible and can have an irritating effect on moist skin (due to sweat or humidity) after prolonged contact.

Some of the components generate a strongly alkaline environment when in contact with water; the major health hazards consisting of acute local effects caused by high alkalinity are due to this feature.

In case of accidental ingestion due to high alkalinity, ulcerations of the digestive system are possible.

It's possible the onset of contact dermatitis, after repeated contacts, due to the presence of cement.

**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.

Foam, powder carbon dioxide, sand or dirt.\*\*

**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.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Wear protective clothing.

**6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

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

Ensure adequate ventilation.

Pick up mechanically.

Dispose of the material collected according to regulations.

**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.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Thorough dedusting.  
Prevent formation of dust.  
Any unavoidable deposit of dust must be regularly removed.  
Wear suitable respiratory protective device when decanting larger quantities without extractor facilities.

**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:

Store away from foodstuffs.  
Do not store together with acids.  
Store away from water.

#### Further information about storage conditions:

Store in dry conditions.  
Store in a cool place.  
Protect from humidity and water.  
Store under lock and key and out of the reach of children.  
Cr(VI) reducing agent efficacy: packaging integrity and respect of the storage conditions mentioned above are the necessary conditions to ensure the effectiveness of the reducing agent maintenance for the shelf-life shown reported on each individual bag, or for three months from the date of the delivery note for the bulk product (see Sec. 15).

**7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

**Additional information about design of technical facilities:** No further data; see item 7.

### 8.1 Control parameters

**Ingredients with limit values that require monitoring at the workplace:**

DNELs					
<b>1305-62-0 calcium dihydroxide</b>					
Inhalative	Derived No Effect Level	1 mg/m <sup>3</sup> (consumer local long term value) 4 mg/m <sup>3</sup> (consumer local short term value)			
PNECs					
<b>1305-62-0 calcium dihydroxide</b>					
Predicted No Effect Concentration	0.49 mg/l (fresh water rating factor) 1.08 mg/l (soil/groundwater)				
CAS No.	Designation of material	%	Type	Value	Unit
<b>1305-62-0 calcium dihydroxide</b>					
IOELV (European Union)	Short-term value: 4 mg/m <sup>3</sup> Long-term value: 1 mg/m <sup>3</sup> Respirable fraction				

**Additional Occupational Exposure Limit Values for possible hazards during processing:**

total inhalable dust: 10 mg/m<sup>3</sup>  
alveolar dust (< 5 µm): 4 mg/m<sup>3</sup>

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**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****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 eyes and skin.

Use a moisturising skin cream after processing the product.

**Respiratory protection:**

Suitable respiratory protective device recommended.

Protective mask type FFP2

**Protection of hands:** Protective gloves.

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

**Eye protection:** PVC full goggles seal

**Body protection:** Use protective suit.

### SECTION 9: Physical and chemical properties

**9.1 Information on basic physical and chemical properties****General Information****Appearance:**

<b>Form:</b>	Powder
<b>Colour:</b>	Grey
<b>Odour:</b>	Uncharacteristic.
<b>Odour threshold:</b>	Not determined.

<b>pH-value:</b>	Not applicable. Alkaline in mortar
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**Change in condition**

<b>Melting point/freezing point:</b>	Not applicable Inorganic based mixture. The components of the mixture melt at high temperatures.
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<b>Initial boiling point and boiling range:</b>	Not applicable Not liquid
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<b>Flash point:</b>	Not applicable Not liquid
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<b>Flammability (solid, gas):</b>	Not applicable. Product is not flammable. Non-combustible solid, it doesn't cause or contribute to the triggering of fire by friction.
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<b>Ignition temperature:</b>	Not determined.
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<b>Decomposition temperature:</b>	Not applicable. Organic peroxides are not present.
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<b>Auto-ignition temperature:</b>	Product is not selfigniting. No pyrophoric components.
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<b>Explosive properties:</b>	Not applicable Product does not present an explosion hazard.
<b>Explosion limits:</b> <b>Lower:</b> <b>Upper:</b> <b>Oxidising properties</b>	Not applicable. Not applicable. Not applicable. It doesn't cause or contribute to the combustion of other materials.
<b>Vapour pressure:</b>	Not applicable. Inorganic based mixture. The components of the mixture melt at high temperatures.
<b>Density:</b> <b>Relative density</b> <b>Vapour density</b>	1,5 - 1.9 kg/l (prodotto in malta) Not applicable. Inorganic based mixture. The components of the mixture melt at high temperatures.
<b>Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix Hardens when in contact with water.
<b>Segregation coefficient (n-octanol/water) log Pow:</b>	Not applicable. Inorganic based mixture.
<b>Viscosity:</b> <b>dynamic:</b>  <b>kinematic:</b>  <b>Solvent content:</b> <b>Solids content:</b> <b>9.2 Other information</b>	Not applicable. Not directly applicable even if the powder mixed with water is comparable to a fluid. Not applicable. Not directly applicable even if the powder mixed with water is comparable to a fluid. 100,0 % No further relevant information available.

### 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

##### Thermal decomposition / Conditions to be avoided:

Stable at environment temperature.

No decomposition if used according to specifications.

#### 10.3 Possibility of hazardous reactions

No dangerous reactions known

Exothermic reaction with acids

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

#### 10.4 Conditions to avoid

The wet product or mixed with water is alkaline and incompatible with acids, ammonium salts, aluminum and other non-precious metals.

The presence of moisture can damage effectiveness of the reducing agent (see Sect. 7 and 15).

**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.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

**Acute toxicity** Based on available data, the classification criteria are not met.

**LD/LC50 values relevant for classification:**

Components	Type	Value	Species
<b>1317-65-3 limestone</b>			
Oral	LD50	>5,000 mg/kg	(Rat)
<b>65997-15-1 Cement, portland, chemicals</b>			
Dermal	LD50	>2,000 mg/kg	(Rabbit)
<b>1305-62-0 calcium dihydroxide</b>			
Oral	LD50	7,340 mg/kg	(Rat)
Dermal	LD50	>2,500 mg/kg	(Rabbit)

**Primary irritant effect:**

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/irritation**

Causes serious eye damage.

**Respiratory or skin sensitisation**

May cause an allergic skin reaction.

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

**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.

### SECTION 12: Ecological information

#### 12.1 Toxicity

**Aquatic toxicity:** Not classified as harmful to aquatic life

Type of test	Effective concentration	Method	Assessment
<b>1317-65-3 limestone</b>			
LC50/96h	>10,000 mg/l	(Oncorhynchus mykiss (Rainbow trout))	
EC50/48h	>1,000 mg/l	(Daphnia magna)	
EC50/72h	>200 mg/l	(Algae)	
<b>1305-62-0 calcium dihydroxide</b>			
LC50/96h	158 mg/l	(Daphnia magna)	
	>50.6 mg/l	(Fish)	
EC50/48h	49.1 mg/l	(Daphnia magna)	
EC50/72h	184.57 mg/l	(Algae)	

**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential** No further relevant information available.

**Behaviour in environmental systems:**

**12.4 Mobility in soil** No further relevant information available.

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**Ecotoxicological effects:**

**Remark:**

The product contains substances which cause a local pH change and thus have a detrimental effect on fish and bacteria.

**Additional ecological information:**

**General notes:**

Do not allow product to reach ground water, water course or sewage system.  
When mixed with water the product hardens forming a stable inorganic mass substantially inert.

**12.5 Results of PBT and vPvB assessment**

**PBT:** Does not contain PBT substances.

**vPvB:** Does not contain vPvB substances.

**12.6 Other adverse effects** No further relevant information available.

**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.

Dispose of the product in accordance with national and local regulations.

Do not abandon the product and/or the container but dispose the contents/container in a waste collection point.

The European waste codes suggested here are based on the composition of the product itself. According to the specific fields of use it may be necessary to assign a different waste code.

**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

**Uncleaned packaging:**

**Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

**Recommended cleaning agent:** Thoroughly shake out sacks.

**SECTION 14: Transport information**

<b>14.1 UN-Number</b> ADR, ADN, IMDG, IATA	Void
<b>14.2 UN proper shipping name</b> ADR, ADN, IMDG, IATA	Void
<b>14.3 Transport hazard class(es)</b> ADR, ADN, IMDG, IATA Class	Void
<b>14.4 Packing group</b> ADR, IMDG, IATA	Void
<b>14.5 Environmental hazards:</b>	Not applicable.

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<b>14.6 Special precautions for user</b>	Not applicable.
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<b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
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<b>UN "Model Regulation":</b>	Void
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### 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)

Under the conditions of conservation, the reducing agent used keeps the content of soluble chromium (VI) below 2 ppm until the expiration date indicated.

Shelf-life of the product: see details 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)

**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.

#### Training hints

In addition to the training programs on environment, health and safety for their workers, companies must ensure that workers read, understand and apply the requirements of this SDS.

#### Classification according to Regulation (EC) No 1272/2008

Eye damage 1, H318. based on cement based mixtures in-vitro test results

Skin irritation 2, H315. based on cement based mixtures in-vitro test results

Skin sensitization 1B, H317. calculation based on the components

STOT SE 3, H335. calculation based on the components

**Department issuing SDS:** Direction technics

**Contact:** Monica Menozzi; tel: +39-0536-837215

#### 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

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)

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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  
Skin Sens. 1B: Skin sensitisation – Category 1B  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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