

	<b>CEMENTO BLANCO</b> Code: 70641	
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**SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

1.1	<b>PRODUCT IDENTIFIER:</b> CAS: 65997-15-1 , EC: 266-043-4	<b>CEMENTO BLANCO</b> Code: 70641
1.2	<b>RELEVANT IDENTIFIED USES AND USES ADVISED AGAINST:</b> <u>Intended uses (main technical functions):</u> <span style="float: right;">[X] Industrial [X] Professional [X] Consumers</span> Masilla. <u>Uses advised against:</u> This product is not recommended for any use or sector of use industrial, professional or consume other than those previously listed as 'Intended or identified uses'. <u>Restrictions on manufacture, placing on market and use, according to Annex XVII of Regulation (EC) No. 1907/2006:</u> <i># Contains chromium(VI) compounds: 1. Cement and cement-containing mixtures shall not be placed on the market, or used, if they contain, when hydrated, more than 2 mg/kg (0,0002%) soluble chromium(VI) of the total dry weight of the cement. 2. If reducing agents are used, then without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of cement or cement-containing mixtures is visibly, legibly and indelibly marked with information on the packing date, as well as on the storage conditions and the storage period appropriate to maintaining the activity of the reducing agent and to keeping the content of soluble chromium(VI) below the limit indicated in paragraph 1. 3. By way of derogation, paragraphs 1 and 2 shall not apply to the placing on the market for, and use in, controlled closed and totally automated processes, in which cement and cement-containing mixtures are handled solely by machines and in which there is no possibility of contact with the skin . The restrictions do not apply to storage, keeping, treatment, filling into containers, or transfer from one container to another of the substances for export.</i>	
1.3	<b>DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:</b> PINTURAS MACY, S.A. Ctra. Nacional 301, Km. 212,8 - E-02630 - La Roda (Albacete) Phone: +34 967 440712 - Fax: +34 967 442819 <a href="mailto:laborato102@pinturas-macy.com">E-mail address of the person responsible for the safety data sheet:</a> e-mail: laborato102@pinturas-macy.com	
1.4	<b>EMERGENCY TELEPHONE NUMBER:</b> +34 967 440712 (8:00-13:00 / 16:00-20:00 h.) (working hours)	

**SECTION 2 : HAZARDS IDENTIFICATION**

2.1	<b>CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:</b> <u>Classification in accordance with Regulation (EC) No. 1272/2008-605/2014 (CLP):</u> DANGER: Skin Irrit. 2:H315   Eye Dam. 1:H318   STOT SE (irrit.) 3:H335					
	Danger class	Classification of the substance	Cat.	Routes of exposure	Target organs	Effects
	<u>Physicochemical:</u> Not classified	Skin Irrit. 2:H315 Eye Dam. 1:H318 STOT SE (irrit.) 3:H335	Cat.2 Cat.1 Cat.3	Skin Eyes Inhalation	Skin Eyes Respiratory ways	Irritation Serious lesions Irritation
	<u>Human health:</u> 					
	<u>Environment:</u> Not classified					
Full text of hazard statements mentioned is indicated in section 16.						

2.2	<b>LABEL ELEMENTS:</b> 	This product is labelled with the signal word DANGER in accordance with Regulation (EC) No. 1272/2008-605/2014 (CLP)
	<u>Hazard statements:</u> H335 May cause respiratory irritation. H315 Causes skin irritation. H318 Causes serious eye damage. H317 May cause an allergic skin reaction.	
	<u>Precautionary statements:</u> P280 Wear eyes, las vías respiratorias. P362 Take off contaminated clothing. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P332+P313 If skin irritation occurs: Get medical attention. P333+P313 If skin irritation or rash occurs: Get medical attention. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
	<u>Supplementary statements:</u> None.	
	<u>Hazardous ingredients:</u> None in a percentage equal to or higher than the limit for the name.	

2.3	<b>OTHER HAZARDS:</b> Hazards which do not result in classification but which may contribute to the overall hazards of the substance: <u>Other physicochemical hazards:</u> No other relevant adverse effects are known. <u>Other adverse human health effects:</u> No other relevant adverse effects are known. <u>Other negative environmental effects:</u> It is not considered a danger to the environment.
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**SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1** SUBSTANCES:  
# This product is a substance.  
Chemical description:  
Mezcla de Pigmentos, cargas, resinas y aditivos.

INGREDIENTS:

50 < 100 % 	<b>Cement portland</b> CAS: 65997-15-1 , EC: 266-043-4 CLP: Danger: Skin Irrit. 2:H315   Eye Dam. 1:H318   Skin Sens. 1B:H317   STOT SE (irrit.) 3:H335	Autoclassified
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Impurities:  
# Does not contain other components or impurities which will influence the classification of the product.

Stabilizers:  
None

Reference to other sections:  
For more information on hazardous ingredients, see sections 8, 11, 12 and 16.

SUBSTANCES OF VERY HIGH CONCERN (SVHC):  
List updated by ECHA on 20/06/2016.  
Substances SVHC subject to authorisation, included in Annex XIV of Regulation (EC) no. 1907/2006:  
None  
Substances SVHC candidate to be included in Annex XIV of Regulation (EC) no. 1907/2006:  
None

PERSISTENT, BIOACCUMULABLE AND TOXIC PBT, OR VERY PERSISTENT AND VERY BIOACCUMULABLE VPVB SUBSTANCES:  
Not applicable (inorganic substance).

**3.2** MIXTURES:  
Not applicable (substance).

**SECTION 4 : FIRST AID MEASURES**

**4.1** DESCRIPTION OF FIRST-AID MEASURES:

When in doubt, or when symptoms persist, seek medical attention. Advise first-aid services on the high alkalinity of cement. Lifeguards do not require any personal protective equipment, however, should avoid contact with moist/wet cement or any preparation containing this mixture.

Route of exposure	Symptoms and effects, acute and delayed	Description of first-aid measures
<u>Inhalation:</u> 	Inhalation produces irritation to mucus, coughing and breathlessness.	In case of dust inhalation, remove the patient out of the contaminated area into the fresh air. If there is difficulty in breathing, apply oxygen. If necessary, artificial respiration. If breathing is irregular or stops, administer artificial respiration. If the person is unconscious, place in appropriate recovery position.
<u>Skin:</u> 	Cement in contact with moist skin may cause crusting, scaling, cracking or fissures in the skin. Prolonged contact combined with abrasion can cause severe burns.	Wash with water and soap. Do not use solvents or thinners.
<u>Eyes:</u> 	Contact with the eyes produces redness and pain.	Remove contact lenses. Do not rub eyes as may cause additional damage to the cornea due to friction. Tilt the head to the side of the affected eye, fully open eyelid(s) and immediately squirt for the eye(s) effectively washing with plenty of water for at least 20 minutes to remove all particles. If possible, use isotonic water (0,9% NaCl). Contact immediately with an occupational medicine specialist or an ophthalmologist. If the eyes are not treated immediately, damage to sight may be permanent.
<u>Ingestion:</u>	If swallowed, may cause irritation of the mouth and throat, abdominal pain, vomiting and diarrhoea.	If swallowed, seek immediate medical attention. Wash out the mouth, then drink plenty of water. Do not induce vomiting. Keep the patient at rest.

**4.2** MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:  
The main symptoms and effects are indicated in sections 4.1 and 11

**4.3** INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:  
Notes to physician: Specific treatment is necessary in case of exposition with this product: the appropriate means with instructions must be available.  
Antidotes and contraindications: Not available.



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**SECTION 5 : FIRE-FIGHTING MEASURES**

Not combustible.

- 5.1 **EXTINGUISHING MEDIA:**  
Extinguishing powder or CO2. In the case of more important fires, also alcohol resistant foam and water spray/mist. Do not use for extinguishing: direct water jet.
- 5.2 **SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:**  
However, if it is located in a fire, may sustain combustion, decompose and give off toxic or irritant vapours.
- 5.3 **ADVICE FOR FIREFIGHTERS:**  
Special protective equipment: Not applicable.  
Other recommendations: Cool with water the tanks, cisterns or containers close to sources of heat or fire. Bear in mind the direction of the wind. Do not allow fire-fighting residue to enter drains, sewers or water courses.

**SECTION 6 : ACCIDENTAL RELEASE MEASURES**

- 6.1 **PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:**  
Restrict the access to the area of the spill. Avoid contact with skin and eyes. Avoid breathing dust.
- 6.2 **ENVIRONMENTAL PRECAUTIONS:**  
Avoid contamination of drains, surface or subterranean water and soil. In the case of large scale spills or when the product contaminates lakes, rivers or sewages, inform the appropriate authorities in accordance with local regulations.
- 6.3 **METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:**  
No sweep. Use dry cleaning methods that do not cause airborne powder dispersion, for example: a) Vacuum system: industrial handhelds equipped with high efficiency filters for particulates (HEPA filters or equivalent technique), or b) Removal of particles with mop: wet brushing or by using water sprays cloud to prevent dust from spreading, with subsequent removal of the residual slurry. If this is not possible, remove the slurry with water. When wet cleaning or vacuum cleaning are not possible and can only be done dry cleaning with brushes, ensure that workers wear appropriate personal protective equipment and prevent dust from spreading. Place the materials collected in a container and, if they are as wet paste, allow them to solidify before disposal.
- 6.4 **REFERENCE TO OTHER SECTIONS:**  
For contact information in case of emergency, see section 1.  
For information on safe handling, see section 7.  
For exposure controls and personal protection measures, see section 8.  
For subsequent waste disposal, follow the recommendations in section 13.

**SECTION 7 : HANDLING AND STORAGE**

- 7.1 **PRECAUTIONS FOR SAFE HANDLING:**  
Comply with the existing legislation on health and safety at work. The 'Good practice guidelines' containing advices on safe handling practices can be found at: <http://www.nepsi.eu/goodpractice-guide.aspx>. These 'good practices' were adopted under the European Social Dialogue Agreement, on the protection of workers' health through the use and correct handling of crystalline silica and products containing crystalline silica, by Employers and Employees through European sector associations.  
General recommendations:  
Avoid any type of leakage or escape. Dust generation should be minimized as possible.  
Recommendations for the prevention of fire and explosion risks:  
The product is not liable to ignite, deflagrate or explode, and does not sustain the combustion reaction by oxygen from air in the environment in which it is, so it is not included in the scope of Directive 94/9/EC concerning equipment and protective systems intended for use in potentially explosive atmospheres. Also they are not applicable the provisions of the ITC MIE BT-29 on the detailed requirements for electrical installations in locals with risk of fire or explosion.  
Recommendations for the prevention of toxicological risks:  
Do not eat, drink or smoke while handling. After handling, wash hands with soap and water. Avoid applying the product directly to people, animals, plants or foodstuffs. For exposure controls and personal protection measures, see section 8.  
Recommendations for the prevention of environmental contamination:  
It is not considered a danger to the environment. It is not considered a danger to the environment. However, the addition of large amounts of cement to water can cause an increase in pH and can therefore be dangerous to aquatic life in certain circumstances. In the case of accidental spillage, follow the instructions indicated in section 6.
- 7.2 **CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:**  
Keep away from food, drink and animal foodstuffs. Keep out of reach of children. Keep container dry. Avoid humidity. Keep only in the original container. Keep container tightly closed. For more information, see section 10.  
Class of store : According to current legislation.  
Maximum storage period : 6. months  
Temperature interval : min: 5. °C, max: 30. °C (recommended).  
Incompatible materials:  
None in particular.  
Type of packaging:  
According to current legislation. Do not use aluminum containers for transportation or storage of wet hydraulic binders due to incompatibility of materials.  
Limit quantity (Seveso III): Directive 2012/18/EU:  
Not applicable.
- 7.3 **SPECIFIC END USES:**  
When mixed with water, alkaline silicates and other alkalis of cement dissolve generating a suspension dangerous for its alkalinity, and while hardening occurs emission of hydration heat.



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**SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 CONTROL PARAMETERS:**  
If a product contains ingredients with exposure limits, may be necessary a personnel monitoring, work place or biological, to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to EN689, EN14042 and EN482 standard concerning methods for assessing the exposure by inhalation to chemical agents, and exposure to chemical and biological agents. Reference should be also made to national guidance documents for methods for the determination of dangerous substances.

OCCUPATIONAL EXPOSURE LIMIT VALUES (TLV)

AGCIH 2014	Year	TLV-TWA ppm	mg/m3	TLV-STEL ppm	mg/m3	Remarks
Cement portland	1986	-	10.	-	-	

TLV - Threshold Limit Value, TWA - Time Weighted Average, STEL - Short Term Exposure Limit.

BIOLOGICAL LIMIT VALUES:

Not established

DERIVED NO-EFFECT LEVEL (DNEL):

Derived no-effect level (DNEL) is a level of exposure that is considered safe, derived from toxicity data according to specific guidances included in REACH. DNEL values may differ from a occupational exposure limit (OEL) for the same chemical. OEL values may come recommended by a particular company, a government regulatory agency or an organization of experts. Although considered protective of health, the OEL values are derived by a process different of REACH.

<u>Derived no-effect level, workers:</u> - Systemic effects, acute and chronic: Not available (without data of registration REACH).	<u>DNEL Inhalation</u> mg/m3 -	<u>DNEL Cutaneous</u> mg/kg bw/d -	<u>DNEL Oral</u> mg/kg bw/d -
	<u>Derived no-effect level, workers:</u> - Local effects, acute and chronic: Not available (without data of registration REACH).	<u>DNEL Inhalation</u> mg/m3 -	<u>DNEL Cutaneous</u> mg/cm2 -
<u>Derived no-effect level, general population:</u> - Systemic effects, acute and chronic: Not available (without data of registration REACH).	<u>DNEL Inhalation</u> mg/m3 -	<u>DNEL Cutaneous</u> mg/kg bw/d -	<u>DNEL Oral</u> mg/kg bw/d -
	<u>Derived no-effect level, general population:</u> - Local effects, acute and chronic: Not available (without data of registration REACH).	<u>DNEL Inhalation</u> mg/m3 -	<u>DNEL Cutaneous</u> mg/cm2 -

PREDICTED NO-EFFECT CONCENTRATION (PNEC):

<u>Predicted no-effect concentration, aquatic organisms:</u> - Fresh water, marine water and intermitent release: Not available (without data of registration REACH).	<u>PNEC Fresh water</u> mg/l -	<u>PNEC Marine</u> mg/l -	<u>PNEC Intermittent</u> mg/l -
	- Wastewater treatment plants (STP) and sediments in fresh- and marine water: Not available (without data of registration REACH).	<u>PNEC STP</u> mg/l -	<u>PNEC Sediments</u> mg/kg dry weight -
<u>Predicted no-effect concentration, terrestrial organisms:</u> - Air, soil and effects for predators and humans: Not available (without data of registration REACH).	<u>PNEC Air</u> mg/m3 -	<u>PNEC Soil</u> mg/kg dry weight -	<u>PNEC Oral</u> mg/kg bw/d -



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8.2

EXPOSURE CONTROLS:

ENGINEERING MEASURES:



Provide adequate ventilation. If these measures are not sufficient to maintain concentrations of particles below the Occupational Exposure Limits, suitable respiratory protection must be worn.

Protection of respiratory system: Avoid the inhalation of dust.

Protection of eyes and face:

Protection of hands and skin: Barrier creams may help to protect the exposed areas of the skin.

OCUPATIONAL EXPOSURE CONTROLS: Directive 89/686/EEC~96/58/EC:

As a general measure on prevention and safety in the work place, we recommend the use of a basic personal protection equipment (PPE), with the corresponding EC marking. For more information on personal protective equipment (storage, use, cleaning, maintenance, type and characteristics of the PPE, protection class, marking, category, CEN norm, etc.), you should consult the informative brochures provided by the manufacturers of PPE.

<u>Mask:</u>	Advisable.
<u>Goggles:</u>	Advisable.
<u>Face shield:</u>	No.
<u>Gloves:</u>	Advisable.
<u>Boots:</u>	No.
<u>Apron:</u>	No.
<u>Clothing:</u>	No.

Thermal hazards:

Not applicable (the product is handled at room temperature).

ENVIRONMENTAL EXPOSURE CONTROLS:

Avoid any spillage in the environment.

Spills on the soil: Prevent contamination of soil.

Spills in water: Do not allow to escape into drains, sewers or water courses.

- Water Control Act: This product does not contain any substance included in the list of priority substances in the field of water policy under Directive 2000/60/EC~2013/39/EU.

Emissions to the atmosphere: Avoid the formation of dust.



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**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

9.1	<p><b>INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:</b></p> <p><u>Appearance</u></p> <ul style="list-style-type: none"> <li>- Physical state : Solid.</li> <li>- Colour : White.</li> <li>- Odour : Odourless</li> <li>- Odour threshold : Not applicable (odourless).</li> </ul> <p><u>pH-value</u></p> <ul style="list-style-type: none"> <li>- pH : Not applicable (solid).</li> </ul> <p><u>Change of state</u></p> <ul style="list-style-type: none"> <li>- Melting point : &gt; 1000 °C</li> <li>- Initial boiling point : Not applicable</li> </ul> <p><u>Density</u></p> <ul style="list-style-type: none"> <li>- Relative density : 2.85 at 20/4°C <span style="float: right;">Relative water</span></li> </ul> <p><u>Stability</u></p> <ul style="list-style-type: none"> <li>- Decomposition temperature : Not applicable (thermally stable).</li> </ul> <p><u>Viscosity:</u></p> <ul style="list-style-type: none"> <li>- Dynamic viscosity : Not applicable (solid).</li> </ul> <p><u>Volatility:</u></p> <ul style="list-style-type: none"> <li>- Vapour pressure : Not applicable</li> </ul> <p><u>Solubility(ies)</u></p> <ul style="list-style-type: none"> <li>- Solubility in water : 1.5 g/l at 20°C</li> <li>- Solubility in oils and fats: Insoluble</li> </ul> <p><u>Flammability:</u></p> <ul style="list-style-type: none"> <li>- Flash point : Not flammable</li> <li>- Autoignition temperature : Not applicable (not combustible).</li> </ul> <p><u>Explosive properties:</u> In the molecule there is no chemical groups associated with explosive properties.</p> <p><u>Oxidizing properties:</u> Not classified as oxidizing product.</p>
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9.2	<p><b>OTHER INFORMATION:</b></p> <p>The values indicated do not always coincide with product specifications. The data for the product specifications can be found in the technical data sheet of the same. For additional information concerning physical and chemical properties related to safety and environment, see sections 7 and 12.</p>
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**SECTION 10 : STABILITY AND REACTIVITY**

10.1	<p><b>REACTIVITY:</b> When mixed with water, cements harden to form a stable mass that does not react in normal environments.</p> <p><u>Corrosivity to metals:</u> It is not corrosive to metals.</p> <p><u>Pyrophorical properties:</u> It is not pyrophoric.</p>
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10.2	<p><b>CHEMICAL STABILITY:</b> Stable under recommended storage and handling conditions.</p>
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10.3	<p><b>POSSIBILITY OF HAZARDOUS REACTIONS:</b> In contact with acids, produces hydrogen gas which is extremely inflammable and produces explosive mixtures when in contact with air.</p>
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10.4	<p><b>CONDITIONS TO AVOID:</b></p> <p><u>Heat:</u> Not applicable.</p> <p><u>Light:</u> Not applicable.</p> <p><u>Air:</u> The product is not affected by exposure to air, but should not be left the containers open.</p> <p><u>Humidity:</u> Avoid humidity.</p> <p><u>Pressure:</u> Not relevant.</p> <p><u>Shock:</u> The product is not sensitive to shocks, but as a recommendation of a general nature should be avoided bumps and rough handling to avoid dents and breakage of packaging, especially when the product is handled in large quantities, and during loading and download operations.</p>
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10.5	<p><b>INCOMPATIBLE MATERIALS:</b> None in particular.</p>
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10.6	<p><b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> No product of decomposition is dangerous if stored and handled properly.</p>
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**SECTION 11 : TOXICOLOGICAL INFORMATION**

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

ACUTE TOXICITY:

Dose and lethal concentrations :  
Not available

No observed adverse effect level  
Not available

Lowest observed adverse effect level  
Not available

INFORMATION ON LIKELY ROUTES OF EXPOSURE: Acute toxicity:

Routes of exposure	Acute toxicity	Cat.	Main effects, acute and/or delayed
<u>Inhalation:</u> Not classified	Not available	-	Not classified as a product with acute toxicity if inhaled.
<u>Skin:</u> Not classified	Not available	-	Not classified as a product with acute toxicity in contact with skin.
<u>Eyes:</u> Not classified	Not available	-	Not classified as a product with acute toxicity by eye contact.
<u>Ingestion:</u> Not classified	Not available	-	Not classified as a product with acute toxicity if swallowed.

CORROSION / IRRITATION / SENSITISATION :

Danger class	Target organs	Cat.	Main effects, acute and/or delayed
<u>Respiratory corrosion/irritation:</u> 	Respiratory ways 	Cat.3	IRRITANT: May cause respiratory irritation.
<u>Skin corrosion/irritation:</u> 	Skin 	Cat.2	IRRITANT: Causes skin irritation.
<u>Serious eye damage/irritation:</u> 	Eyes 	Cat.1	DAMAGE: Causes serious eye damage.
<u>Respiratory sensitisation:</u> Not classified	-	-	Not classified as a product sensitising by inhalation.
<u>Skin sensitisation:</u> Not classified	-	-	# SENSITISING: May cause an allergic skin reaction.

ASPIRATION HAZARD:

Danger class	Target organs	Cat.	Main effects, acute and/or delayed
<u>Aspiration hazard:</u> Not classified	-	-	Not applicable (solid).

SPECIFIC TARGET ORGANS TOXICITY (STOT): Single exposure (SE) and/or Repeated exposure (RE):

Not classified as a dangerous product for target organs.

CMR EFFECTS:

Carcinogenic effects: Is not considered as a carcinogenic product.

Genotoxicity: Is not considered as a mutagenic product.

Toxicity for reproduction: Do not harm fertility. Do not harm the fetus developing.

Effects via lactation: Not classified as a hazardous product for children breast-fed.

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE:

Routes of exposure: Not available.

Short-term exposure: Irritating to respiratory system. Risk of serious damage to eyes. Irritating to skin.

Long-term or repeated exposure: Repeated exposure may lead to chronic respiratory diseases. Repeated or prolonged skin contact causes chronic dermatitis.

INTERACTIVE EFFECTS:

Not available.



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**SECTION 12 : ECOLOGICAL INFORMATION**

12.1	<p><u>TOXICITY:</u></p> <p><u>Acute toxicity in aquatic environment :</u> Not available <u>No observed effect concentration</u> Not available <u>Lowest observed effect concentration</u> Not available</p>
12.2	<p><u>PERSISTENCE AND DEGRADABILITY:</u> Not applicable (inorganic substance).</p>
12.3	<p><u>BIOACCUMULATIVE POTENTIAL:</u> # <i>Not available.</i></p>
12.4	<p><u>MOBILITY IN SOIL:</u> Not applicable.</p>
12.5	<p><u>RESULTS OF PBT AND VPVB ASSESSMENT:</u> Annex XIII of Regulation (EC) no. 1907/2006: Not applicable (inorganic substance).</p>
12.6	<p><u>OTHER ADVERSE EFFECTS:</u> <u>Ozone depletion potential:</u> Not applicable. <u>Photochemical ozone creation potential:</u> Not applicable. <u>Earth global warming potential:</u> Not applicable. <u>Endocrine disrupting potential:</u> No.</p>

**SECTION 13 : DISPOSAL CONSIDERATIONS**

13.1	<p><u>WASTE TREATMENT METHODS:</u> Directive 2008/98/EC~Regulation (EU) no. 1357/2014: Take all necessary measures to prevent the production of waste whenever possible. Analyse possible methods for revaluation or recycling. Do not discharge into drains or the environment, dispose of at an authorised waste collection point. Waste should be handled and disposed of in accordance with current local and national regulations. For exposure controls and personal protection measures, see section 8.</p> <p><u>Disposal of empty containers:</u> Directive 94/62/EC~2005/20/EC, Decision 2000/532/EC~2014/955/EU: Emptied containers and packaging should be disposed of in accordance with currently local and national regulations. The classification of packaging as hazardous waste will depend on the degree of emptying of the same, being the holder of the residue responsible for their classification, )in accordance with Chapter 15 01 of Decision 2000/532/EC, and forwarding to the appropriate final destination. With contaminated containers and packaging, adopt the same measures as for the product in itself.</p> <p><u>Procedures for neutralising or destroying the product:</u> Authorised landfill in accordance with local regulations.</p>
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**SECTION 14 : TRANSPORT INFORMATION**

- 14.1 UN NUMBER: Not applicable
- 14.2 UN PROPER SHIPPING NAME: Not applicable
- 14.3 TRANSPORT HAZARD CLASS(ES) AND PACKING GROUP:
- 14.4 Transport by road (ADR 2015) and Transport by rail (RID 2015):  
Not reglamented  
  
Transport by sea (IMDG 37-14):  
Not reglamented  
  
Transport by air (ICAO/IATA 2015):  
Not reglamented  
  
Transport by inland waterways (ADN):  
Free.
- 14.5 ENVIRONMENTAL HAZARDS:  
Not applicable (not classified as hazardous for the environment).
- 14.6 SPECIAL PRECAUTIONS FOR USER:  
Ensure that persons transporting the product know what to do in case of accident or spill. Always transport in closed containers that are in a vertical position and sure.
- 14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE:  
Not applicable.

**SECTION 15 : REGULATORY INFORMATION**

- 15.1 EU SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC:  
The regulations applicable to this product generally are listed throughout this material safety data sheet.  
  
Restrictions on manufacture, placing on market and use: See section 1.2  
  
Control of the risks inherent in major accidents (Seveso III):See section 7.2  
  
Tactile warning of danger: Not applicable (the classification criteria are not met).  
  
Child safety protection: Not applicable (the classification criteria are not met).  
  
Control of Cr(VI) soluble:  
For cement treated with a Cr(VI) reducing agent the effect of the reducing agent decreases with time. Thus, the bags of cement should contain information on the date of packaging and the appropriate period of time for the reducing agent to continue to maintain the level of Cr(VI) soluble below 0.0002% of the total dry weight of the cement ready for use, according to EN 196-10. Should also indicate the appropriate storage conditions to ensure the effectiveness of the reducing agent.  
  
OTHER REGULATIONS:  
Not available
- 15.2 CHEMICAL SAFETY ASSESSMENT:  
Not available.

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## SECTION 16 : OTHER INFORMATION

16.1 [TEXT OF THE PHRASES AND NOTES REFERENCED IN SECTIONS 2 AND/OR 3:](#)  
[Hazard statements according the Regulation \(EC\) No. 1272/2008~605/2014 \(CLP\), Annex III:](#)  
 H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation.

[ADVICES ON ANY TRAINING APPROPRIATE FOR WORKERS:](#)

It is recommended for all staff that will handle this product to carry out a basic training in occupational risk and prevention, in order to provide understanding and interpretation of material safety data sheets and labelling of products as well.

[MAIN LITERATURE REFERENCES AND SOURCES FOR DATA:](#)

- European Chemicals Agency: ECHA, <http://echa.europa.eu/>
- Access to European Union Law, <http://eur-lex.europa.eu/>
- Threshold Limit Values, (AGCIH, 2014).
- Cromo: Aspectos clinico-toxicologicos, F.Marques y P.Sanz (INSHT, DT.69.92, 1992).

[ABBREVIATIONS AND ACRONYMS:](#)

List of abbreviations and acronyms that can be used (but not necessarily used) in this material safety data sheet:

- REACH: Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals of the United Nations.
- CLP: European regularion on Classificatin, Labelling amd Packaging of substances and chemical mixtures.
- 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).
- UVCB: Substances of Unknown or Variable composition, complex reaction products or biological materials).
- SVHC: Substances of Very High Concern.
- PBT: Persistent, bioaccumulable and toxic substances.
- vPvB: Very persistent and very bioaccumulable substances.
- VOC: Volatile Organic Compounds.
- DNEL: Derived No-Effect Level (REACH).
- PNEC: Predicted No-Effect Concentration (REACH).
- LD50: Letal dose, 50 percent.
- LC50: Letal concentration, 50 percent.
- UN: United Nations Organisation.
- ADR: European agreement concerning the international carriage of dangeous goods by road.
- RID: Regulations concerning the international transport of dangeous goods by rail.
- IMDG: International Maritime code for Dangerous Goods.
- IATA: International Air Transport Association.
- ICAO: International Civil Aviation Organization.

[MATERIAL SAFETY DATA SHEET REGULATIONS:](#)

Material Safety Data Sheet in accordance with Article 31 of Regulation (EC) No. 1907/2006 (REACH) and Annex of Regulation (EU) No. 2015/830.

[HISTORY:](#)[Revision:](#)

Version: 2                   08/02/2017  
 Version: 3                   08/02/2017

[Modifications with respect to the previous Material Safety Data Sheet:](#)

*# The possible legislative, contextual, numerical, methodological and normative changes with respect to the previous version are highlighted in this Material Safety Data Sheet by a mark # in red and italic.*

The information of this Material Safety Data Sheet, is based on the present state of knowledge and on current UE and national laws, as the users' working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified, without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this Material Safety Data Sheet is meant as a description of the safety requirements of the product and it is not to be considered as a guarantee of the product's properties.