



# ARDEX 4x4 CREAM WHITE

## Safety data sheets

in accordance with regulation (EU) 2015/830

Issue date: 02/07/2018 Version: 1.0

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

#### 1.1. Product identifier

Product shape : Mix  
 Product name : ARDEX 4x4 CREAM WHITE  
 Product code : 32092, 32093

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

##### 1.2.1. Relevant uses identified

Primary use category Use of the substance/mixture : Consumer use, Professional use  
 : Tiling

##### 1.2.2. Uses not recommended

No further information available

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

##### Manufacturer

ARDEX CEMENTO, SA  
 Pol. Ind. Pla de Llerona C/Holanda 18 E-08520  
 Les Franqueses del Vallès Barcelona - Spain T 0034 938 466 252  
[ardex@ardex.es](mailto:ardex@ardex.es)

#### 1.4. Emergency number

Emergency number : 0034 938 466 252

### SECTION 2: Hazard Identification

#### 2.1. Classification of the substance or mixture

Classification according to regulation (EU) No. 1272/2008 [CLP]

Skin irritation/corrosion, Category 2 H315 Serious eye damage/eye irritation, Category 1 Full text of H- H318 phrases:

see Section 16

#### Adverse physicochemical effects on human health and the environment

Causes skin irritation. Causes serious eye injuries.

#### 2.2. Label elements

Labeling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard Pictograms (CLP) :



GHS05

Signal word (CLP) :

Danger :

Hazardous components

Portland cement

Hazard statements (CLP)

: H315 - Causes skin irritation.  
 H318 - Causes serious eye damage.

Precautionary Advice (CLP)

: P102 - Keep out of the reach of children.  
 P280 - Wear protective glasses, protective gloves.  
 P305+P351+P338 - IF CONTACT WITH EYES: Rinse carefully with water for several minutes. Remove contact lenses, if present and easy. Continue clarifying.

Additional phrases

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.  
 P261 - Avoid breathing dust.  
 : Dispose of contents/container in accordance with regional/national/international/local regulations.

#### 23. Other dangers

PBT: not relevant – no registration required

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vPvB: not relevant – no registration required

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to regulation (EU) No. 1272/2008 [CLP]
Portland cement	(CAS No.) 65997-15-1 (EC No.) 266-043-4	> 3	Skin Sens. 1, H317 Eye Dam. 1, H318 Skin Irrit. 2, H315 STOT SE 3, H335

Observations : Chromium (VI) compounds < 2 ppm

Full text of H-phrases: see section 16

### SECTION 4: First aid

#### 4.1. Description of first aid

First aid measures in case of: Remove the person to fresh air and keep them in a position that makes it easier for them to breathe. inhalation

First aid measures in case of skin contact : Wash the skin with plenty of water. Remove contaminated clothing. In case of irritation skin: Consult a doctor.

First aid measures in case of contact with eyes : Rinse carefully with water for several minutes. Remove contact lenses, yes it takes and is easy. Continue clarifying. Call a doctor immediately.

First aid measures in case of ingestion : If consciousness is total, drink a lot of water. Do not give a person a drink unconscious.

#### 4.2. Main symptoms and effects, acute and delayed

Symptoms/effects after skin contact : Irritation.

Symptoms/effects after eye contact : Serious eye injuries.

#### 4.3. Indication of any medical attention and special treatment that should be given immediately

symptomatic treatment.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Appropriate extinguishing media : Non-flammable.

#### 5.2. Specific hazards arising from the substance or mixture

Fire hazard: No fire hazard.

Explosion hazard: None.

Hazardous decomposition products: None. fire case

#### 5.3. Recommendations for firefighting personnel

Fire precautionary measures: No specific measures required.

Protection during firefighting: Do not intervene without appropriate protective equipment. Self-contained and insulating respiratory protection device. Full body protection.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Absorb the spill so that it does not damage other materials.

##### 6.1.1. For non-emergency services personnel

Protective equipment : Precautions for safe handling. See Section 7.

Emergency procedures : Avoid contact with eyes and skin.

##### 6.1.2. For emergency personnel

Emergency procedures : No specific measures are required.

#### 6.2. Environmental precautions

Avoid penetration into sewers and drinking water.

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### 6.3. Containment and cleaning methods and materials

For retention : Collect the spill.

Cleaning procedures : Mechanically pick up the product. Minimize dust production. Collect spill. Do not use compressed air to clean.

### 6.4. Reference to other sections

For more information, see section 13. See Section 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional Hazards During Treatment Precautions for Safe Handling : See Section 8.

Hygiene measures : The workplace must be well ventilated. Avoid contact with eyes and skin. Carry personal protective equipment.

Hygiene measures : Wear gloves. Do not eat, drink or smoke during use.

### 7.2. Conditions for safe storage, including possible incompatibilities

Storage conditions : Protect from moisture. Store in a dry place.

Incompatible materials : None.

Storage place : dry.

### 7.3. Specific end uses

No further information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Portland cement (65997-15-1)		
Spain	Local name	Portland Cement
Spain	VLA-ED (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup> Respirable fraction e
Spain	Grades	(This value is for particulate matter that does not contain asbestos and less than 1% crystalline silica), d (See UNE EN 481: Atmospheres in the workplace. Definition of the fractions by the particle size for aerosol measurement).
Spain	Normative reference	Professional Exposure Limits for Chemical Agents in Spain 2018. INSHT

### 8.2. Exposure controls

Appropriate technical controls:

The workplace must be well ventilated.

Individual protection equipment:

Respiratory protection not required under normal conditions. In case of danger of splashes: safety glasses. If dust is raised: dust mask.

Hand protection:

Protection gloves

Guy	Material	Permeation	Thickness (mm)	Penetration	Rule
Reusable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	1.0		EN 388

Eye protection:

Well fitting glasses

Skin and body protection:

Wear appropriate protective clothing

Respiratory protection:

In case of insufficient ventilation, use appropriate respiratory apparatus

Apparatus	Filter type	Condition	Rule
Disposable half mask	Type P1, Type P2	Dust protection	EN 149

Symbol(s) of personal protective equipment:

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Control of environmental exposure:

To avoid it's releasing into the environment.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Form/state	: Solid
Appearance	: Dust.
Color	: Grey, White.
Smell	: lavatory.
Odor threshold	: No data available : 11.5
pH	
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: > 1250 °C
solidification point	: Not applicable
Boiling point	: Not applicable
Flashpoint	: Not applicable
Autoignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non-flammable.
Vapor pressure	: No data available : No data
Relative vapor density at 20 °C	available : Not applicable : 2.75
Relative density	- 3.2 g/cm <sup>3</sup>
Density	
Solubility	: Water: 0.1 - 1.5 g/l @ 20°C : No
Log Pow	data available : Not applicable :
Kinematic viscosity	Not applicable :
Viscosity, dynamics	None.
Explosive properties	
property of starting fires	: None.
Explosion limits	: Not applicable

#### 9.2. Other data

Apparent density	: 900 - 1300 kg/m <sup>3</sup>
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reacts with water.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of dangerous reactions

No known dangerous reactions occur under normal conditions of use.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

Acids. ammonium salts. Aluminum.

#### 10.6. Hazardous decomposition products

No known hazardous decomposition products are generated.

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not qualified
Acute toxicity (cutaneous)	: Not qualified
Acute toxicity (inhalation)	: Not qualified
Skin corrosion or irritation	: Causes skin irritation. pH: 11.5:
Serious eye damage or eye irritation	: Causes serious eye damage. pH: 11.5
Respiratory or skin sensitization	: Not qualified
Mutagenicity in germ cells	: Not qualified
Carcinogenicity	: Not qualified
Reproductive toxicity	: Not qualified
Specific target organ toxicity (STOT) – single exposure	: Not qualified
Specific target organ toxicity (STOT) – repeated exposure	: Not qualified
Aspiration hazard	: Not qualified
Adverse effects and possible symptoms for human health	: Irritation: Extremely irritating to the eyes.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general	: This product is not considered harmful to aquatic organisms or causing long-term adverse effects in the environment.
Acute aquatic toxicity	: Not qualified
Chronic aquatic toxicity	: Not qualified

Portland cement (65997-15-1)	
CL50 fish 1	> 1000 mg/l (96 h, Pisces)

#### 12.2. Persistence and degradability

ARDEX 4x4	
Persistence and degradability	Not applicable. Powdery inorganic substances.
BOD (% DTO)	Not applicable
Portland cement (65997-15-1)	
Persistence and degradability	Biodegradability: not relevant.
Biochemical Oxygen Demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
DthO	Not applicable
BOD (% of DTO)	Not applicable

#### 12.3. Bioaccumulative potential

ARDEX 4x4	
Bioaccumulative potential	No bioaccumulation.
Portland cement (65997-15-1)	
Bioaccumulative potential	Bioaccumulation: not relevant.

#### 12.4. Mobility on the ground

ARDEX 4x4	
Ecology - soil	None
Portland cement (65997-15-1)	
Ecology - soil	There are no (experimental) data available on the mobility of the substance.

#### 12.5. Results of PBT and vPvB assessment

ARDEX 4x4	
PBT: not relevant – no registration required	vPvB: not relevant – no registration required

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Portland cement component (65997-15-1)	This substance/mixture does not meet the PBT criteria of Annex XIII of the REACH regulation. This substance/mixture does not meet the vPvB criteria of Annex XIII of the REACH regulation
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### 12.6. Other adverse effects

No further information available

## SECTION 13: Disposal considerations

### 13.1. Methods for waste treatment

Regional legislation (waste)	: Dispose of in accordance with legal regulations.
Methods for waste treatment	: Dispose of contents/container according to collector's recycling instructions approved.
Recommendations for disposal of products/ packaging	: Destroy in compliance with the safety conditions required by local/national legislation. To avoid it's releasing into the environment.
Ecology - waste	: To avoid it's releasing into the environment.
European waste catalog code (CER) : 17 01 01 - Concrete	10 13 14 - Concrete waste and concrete sludge

## SECTION 14: Transport information

According to: ADR / IATA / IMDG

ADR	IMDG	IATA
<b>14.1. UN number</b>		
Not applicable Not applicable 14.2.		Not applicable
<b>United Nations proper shipping name</b>		
Not applicable Not applicable		Not applicable
<b>14.3. Transport hazard class(es)</b>		
Not applicable Not applicable 14.4.		Not applicable
<b>Packing group</b>		
Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>		
Not applicable	Not applicable	Not applicable
No additional information available		

### 14.6. Special precautions for users

- Transportation by land

Not applicable

- Marine transport

Not applicable

- Air Transport

Not applicable

### 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 and legislation specific to the substance or mixture

#### 15.1.1. EU-Regulations

Does not contain substances subject to restrictions according to Annex XVII of REACH

Does not contain any substances included in the REACH candidate list

Does not contain any substances listed in Annex XIV of REACH

#### 15.1.2. National regulations

No further information available

### 15.2. Chemical Safety Assessment

Chemical Safety Assessment has not been carried out

## SECTION 16: Additional information

Full text of phrases H and EUH:

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Eye Dam. 1	Serious eye damage/eye irritation, Category 1 Skin irritation/
Skin Irrit. 2	corrosion, Category 2 Skin sensitization, Category
Skin Sens. 1	1 Specific target organ toxicity — Single
STOT SE 3	exposure, Category 3, respiratory tract irritation Causes skin irritation.
H315	
H317	May produce an allergic reaction on the skin.
H318	Causes serious eye damage. May irritate
H335	respiratory tract.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the protection of health, safety and the environment. Therefore, it should not be construed as a guarantee of any specific product feature.