

# ARDEX X 78 S Grey / White



## Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 1/6/2017 Revision date:

Supersedes:

Version: 1.0

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : ARDEX X 78 S Grey / White  
Product code : 18331; 18332

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

##### 1.2.1. Relevant identified uses

Main use category : Consumer use, Professional use  
Use of the substance/mixture : Tile adhesives

##### 1.2.2. Uses advised against

No additional information available

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

##### Manufacturer

Ardex UK Limited  
Homefield Road  
CB9 8QP Haverhill Suffolk  
T 01440 714939 - F 01440 716667  
[safetydatasheets@ardex.co.uk](mailto:safetydatasheets@ardex.co.uk)

#### 1.4. Emergency telephone number

Emergency number : +44 (0) 870 190 6777 24 Hours  
ROI: +353 (0)1 809 2166 (available 8am-10pm, 7 days)

### SECTION 2: Hazards identification

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

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

Skin corrosion/irritation, Category 2 H315  
Serious eye damage/eye irritation, Category 1 H318

Full text of hazard classes and H-statements : see section 16

##### Adverse physicochemical, human health and environmental effects

Causes skin irritation. Causes serious eye damage.

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) : Danger  
Hazardous ingredients : Portland cement  
Hazard statements (CLP) : H315 - Causes skin irritation  
H318 - Causes serious eye damage  
Precautionary statements (CLP) : P102 - Keep out of reach of children  
P280 - Wear eye protection, protective gloves  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P302+P352 - IF ON SKIN: Wash with plenty of soap and water  
P261 - Avoid breathing dust  
Extra phrases : Dispose of contents/container in accordance with regional/national/international/local regulations

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### 2.3. Other hazards

PBT: not relevant – no registration required

vPvB: not relevant – no registration required

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

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

Comments : Chromium (VI) compounds < 2 ppm

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion : If the person is fully conscious, make him/her drink plenty of water. Never give an unconscious person anything to drink.

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

Symptoms/injuries after skin contact : Irritation.

Symptoms/injuries after eye contact : Serious damage to eyes.

### 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 : Non flammable.

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

Fire hazard : No fire hazard.

Explosion hazard : None.

Hazardous decomposition products in case of fire : None.

### 5.3. Advice for firefighters

Precautionary measures fire : No specific measures are necessary.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

General measures : Absorb spillage to prevent material damage.

#### 6.1.1. For non-emergency personnel

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

Emergency procedures : Avoid contact with skin and eyes.

#### 6.1.2. For emergency responders

Emergency procedures : No specific measures are necessary.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

### 6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

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Methods for cleaning up : Recover mechanically the product. Minimize generation of dust. Collect spillage. Do not use compressed air for cleaning.

### 6.4. Reference to other sections

For further information refer to section 13. See Heading 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : See Heading 8.

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Wear protective gloves. Do not eat, drink or smoke when using this product.

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

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

Incompatible materials : None.

Storage area : dry.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| Portland cement (65997-15-1) |                              |  |
|------------------------------|------------------------------|--|
| United Kingdom               | Local name                   | Portland cement  |
| United Kingdom               | WEL TWA (mg/m <sup>3</sup> ) | 10 mg/m <sup>3</sup> Portland cement inhalable dust; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005); Portland cement respirable dust; 4 mg/m <sup>3</sup> ; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005) |

### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Personal protective equipment:

Respiratory protection not required in normal conditions. In case of splash hazard: safety glasses. Dust formation: dust mask.

#### Hand protection:

Protective gloves

| Type            | Material             | Permeation        | Thickness (mm) | Penetration | Standard |
|-----------------|----------------------|-------------------|----------------|-------------|----------|
| Reusable gloves | Nitrile rubber (NBR) | 6 (> 480 minutes) | 1,0            |             | EN 388   |

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

| Device               | Filter type      | Condition       | Standard |
|----------------------|------------------|-----------------|----------|
| Disposable half mask | Type P1, Type P2 | Dust protection | EN 149   |



#### Environmental exposure controls:

Avoid release to the environment.

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### SECTION 9: Physical and chemical properties

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

|   |                                |
|---|--------------------------------|
| Physical state                              | : Solid                        |
| Appearance                                  | : Powder.                      |
| Colour                                      | : Grey. white.                 |
| Odour                                       | : odourless.                   |
| Odour threshold                             | : No data available            |
| pH  | : 11 - 12.5                    |
| Relative evaporation rate (butyl acetate=1) | : No data available            |
| Melting point                               | : > 1250 °C                    |
| Freezing point                              | : Not applicable               |
| Boiling point                               | : No data available            |
| Flash point                                 | : Not applicable               |
| Auto-ignition temperature                   | : Not applicable               |
| Decomposition temperature                   | : No data available            |
| Flammability (solid, gas)                   | : Non flammable                |
| Vapour pressure                             | : No data available            |
| Relative vapour density at 20 °C            | : No data available            |
| Relative density                            | : Not applicable               |
| Density                                     | : 2.75 - 3.2 g/cm <sup>3</sup> |
| Solubility                                  | : Water: 0.1 - 1.5 g/l @ 20°C  |
| Log Pow                                     | : No data available            |
| Viscosity, kinematic                        | : Not applicable               |
| Viscosity, dynamic                          | : No data available            |
| Explosive properties                        | : None.                        |
| Oxidising properties                        | : None.                        |
| Explosive limits                            | : Not applicable               |

#### 9.2. Other information

|              |                                |
|--------------|--------------------------------|
| Bulk density | : 900 - 1300 kg/m <sup>3</sup> |
|--------------|--------------------------------|

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reacts with water.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known 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. Aluminium.

#### 10.6. Hazardous decomposition products

No hazardous decomposition products known.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

|  |   |
|--|---|
| Acute toxicity                                   | : Not classified                              |
| Skin corrosion/irritation                        | : Causes skin irritation.<br>pH: 11 - 12.5    |
| Serious eye damage/irritation                    | : Causes serious eye damage.<br>pH: 11 - 12.5 |
| Respiratory or skin sensitisation                | : Not classified                              |
| Germ cell mutagenicity                           | : Not classified                              |
| Carcinogenicity                                  | : Not classified                              |
| Reproductive toxicity                            | : Not classified                              |
| Specific target organ toxicity (single exposure) | : Not classified                              |

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|---|--|
| Specific target organ toxicity (repeated exposure)  | : Not classified                         |
| Aspiration hazard                                   | : Not classified                         |
| Potential adverse human health effects and symptoms | : Irritation: severely irritant to eyes. |

### SECTION 12: Ecological information

#### 12.1. Toxicity

|                   |   |
|-------------------|---|
| Ecology - general | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
|-------------------|---|

#### Portland cement (65997-15-1)

|             |                          |
|-------------|--------------------------|
| LC50 fish 1 | > 1000 mg/l (LC50; 96 h) |
|-------------|--------------------------|

#### 12.2. Persistence and degradability

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|                               |   |
|-------------------------------|---|
| Persistence and degradability | Not applicable. Inorganic Particulate Substances. |
|-------------------------------|---|

##### Portland cement (65997-15-1)

|                                 |   |
|---------------------------------|---|
| Persistence and degradability   | Biodegradability: not applicable. No (test)data on mobility of the substance available. |
| Biochemical oxygen demand (BOD) | Not applicable  |
| Chemical oxygen demand (COD)    | Not applicable  |
| ThOD                            | Not applicable  |

#### 12.3. Bioaccumulative potential

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|                           |                     |
|---------------------------|---------------------|
| Bioaccumulative potential | No bioaccumulation. |
|---------------------------|---------------------|

##### Portland cement (65997-15-1)

|                           |                                  |
|---------------------------|----------------------------------|
| Bioaccumulative potential | Bioaccumulation: not applicable. |
|---------------------------|----------------------------------|

#### 12.4. Mobility in soil

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|                |       |
|----------------|-------|
| Ecology - soil | None. |
|----------------|-------|

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

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|   |
|---|
| PBT: not relevant – no registration required  |
| vPvB: not relevant – no registration required |

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

|                                   |   |
|-----------------------------------|---|
| Regional legislation (waste)      | : Disposal must be done according to official regulations.  |
| Waste treatment methods           | : Dispose of contents/container in accordance with licensed collector's sorting instructions.               |
| Waste disposal recommendations    | : Dispose in a safe manner in accordance with local/national regulations. Avoid release to the environment. |
| Ecology - waste materials         | : Avoid release to the environment.   |
| European List of Waste (LoW) code | : 17 01 01 - concrete<br>10 13 14 - waste concrete and concrete sludge                                      |

### SECTION 14: Transport information

In accordance with ADR / IATA / IMDG

| ADR                                     | IMDG           | IATA           |
|---|----------------|----------------|
| <b>14.1. UN number</b>                  |                |                |
| Not applicable                          | Not applicable | Not applicable |
| <b>14.2. UN proper shipping name</b>    |                |                |
| Not applicable                          | Not applicable | Not applicable |
| Not applicable                          | Not applicable | Not applicable |
| <b>14.3. Transport hazard class(es)</b> |                |                |
| Not applicable                          | Not applicable | Not applicable |
| Not applicable                          | Not applicable | Not applicable |

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| ADR                                    | IMDG           | IATA           |
|--|----------------|----------------|
| <b>14.4. Packing group</b>             |                |                |
| Not applicable                         | Not applicable | Not applicable |
| <b>14.5. Environmental hazards</b>     |                |                |
| Not applicable                         | Not applicable | Not applicable |
| No supplementary information available |                |                |

### 14.6. Special precautions for user

#### - Overland transport

Not applicable

#### - Transport by sea

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/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Full text of H- and EUH-statements:

|               |  |
|---------------|--|
| Eye Dam. 1    | Serious eye damage/eye irritation, Category 1  |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2  |
| Skin Sens. 1  | Sensitisation — Skin, Category 1   |
| STOT SE 3     | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H315          | Causes skin irritation   |
| H317          | May cause an allergic skin reaction  |
| H318          | Causes serious eye damage  |
| H335          | May cause respiratory irritation   |

ARDEX SDS EU

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*