

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : ARDEX-FLEX FL  
Product code : 18355; 18484; 18356; 18485; 18358; 18487; 18359; 18488; 18384; 18513; 18357; 18486; 22819; 18361; 18490; 18362; 18491; 18360; 18489; 22820; 18363; 18492; 18364; 18493; 18365; 18494; 18366; 18495; 18367; 18496; 18370; 18499; 18369; 18498; 18368; 18497; 22817; 18371; 18500; 18372; 18501; 22818; 18374; 18503; 18373; 18502; 18375; 18504; 18376; 18505; 18382; 18511; 18379; 18508; 18378; 18507; 18380; 18509; 18377; 18506; 22816; 18381; 18510; 18383; 18512; 18385; 18514; 18386; 18515; 25795; 25796; 25797; 25801; 25802; 25803

#### 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 : grout

##### 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

# ARDEX-FLEX FL

## Safety Data Sheet

according to Regulation (EU) 2015/830

Extra phrases : Dispose of contents/container in accordance with regional/national/international/local regulations

### 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 (EC no) 266-043-4	> 3	STOT SE 3, H335 Skin Irrit. 2, H315 Eye Dam. 1, H318 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.

# ARDEX-FLEX FL

## Safety Data Sheet

according to Regulation (EU) 2015/830

### 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.

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



# ARDEX-FLEX FL

## Safety Data Sheet

according to Regulation (EU) 2015/830

### Environmental exposure controls:

Avoid release to the environment.

## 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>
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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 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. pH: 11 - 12.5
Serious eye damage/irritation	: Causes serious eye damage. pH: 11 - 12.5
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified

# ARDEX-FLEX FL

## Safety Data Sheet

according to Regulation (EU) 2015/830

Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
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)
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#### 12.2. Persistence and degradability

##### ARDEX-FLEX FL

Persistence and degradability	Not applicable. Inorganic Particulate Substances.
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##### 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

##### ARDEX-FLEX FL

Bioaccumulative potential	No bioaccumulation.
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##### Portland cement (65997-15-1)

Bioaccumulative potential	Bioaccumulation: not applicable.
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#### 12.4. Mobility in soil

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Ecology - soil	None.
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#### 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 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

# ARDEX-FLEX FL

## Safety Data Sheet

according to Regulation (EU) 2015/830

ADR	IMDG	IATA
<b>14.3. Transport hazard class(es)</b>		
Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable
<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*