

# ARDEX K 55

## Safety Data Sheet

according to Regulation (EU) 2015/830  
Date of issue: 2/13/2017 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 K 55  
Product code : 4873

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Floor Levelling Compounds

##### 1.2.2. Uses advised against

No additional information available

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

##### Manufacturer

ARDEX Baustoff GmbH  
Hürmer Str. 40  
A-3382 Loosdorf - Österreich  
T +43/2754/7021-0 - F +43/2754/2490  
[produktion@ardex.at](mailto:produktion@ardex.at)

#### 1.4. Emergency telephone number

Emergency number : +43-(0)1-4064343 (Vergiftungsinformationszentrale Österreich)

### SECTION 2: Hazards identification

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

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

Not classified

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

No additional information available

#### 2.2. Label elements

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

Precautionary statements (CLP) : P102 - Keep out of reach of children  
Extra phrases : Contains cement. Reacts in an alkaline way, therefore do protect skin and eyes. In case of contact rinse thoroughly with water. In case of contact with eyes consult also a doctor  
Chromium (VI) compounds < 2 ppm  
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]
Cement Alumina	(CAS No) 65997-16-2 (EC no) 266-045-5	10 - 30	Not classified

# ARDEX K 55

## Safety Data Sheet

according to Regulation (EU) 2015/830

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 : Severe eye irritation.

#### 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.
- 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

# ARDEX K 55

## Safety Data Sheet

according to Regulation (EU) 2015/830

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Contains no substances with occupational exposure limits

#### 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 inadequate ventilation wear respiratory protection

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



##### 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	: 10 - 11
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

# ARDEX K 55

## Safety Data Sheet

according to Regulation (EU) 2015/830

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 : Not classified  
pH: 10 - 11  
Serious eye damage/irritation : Not classified  
pH: 10 - 11  
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  
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.

### 12.2. Persistence and degradability

ARDEX K 55	
Persistence and degradability	Not applicable. Inorganic Particulate Substances.
Cement Alumina (65997-16-2)	
Persistence and degradability	Not applicable. Inorganic Particulate Substances.

### 12.3. Bioaccumulative potential

ARDEX K 55	
Bioaccumulative potential	No bioaccumulation.
Cement Alumina (65997-16-2)	
Bioaccumulative potential	No bioaccumulation.

### 12.4. Mobility in soil

ARDEX K 55	
Ecology - soil	None.

# ARDEX K 55

## Safety Data Sheet

according to Regulation (EU) 2015/830

Cement Alumina (65997-16-2)	
Ecology - soil	None.

### 12.5. Results of PBT and vPvB assessment

ARDEX K 55	
PBT: not relevant – no registration required	
vPvB: not relevant – no registration required	
Component	
Cement Alumina (65997-16-2)	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
<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

# ARDEX K 55

## Safety Data Sheet

according to Regulation (EU) 2015/830

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### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

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*