



**SAFETY DATA SHEET  
ARDEX W 820**

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

Product name ARDEX W 820  
Product No. 56168

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

Identified uses Wall levelling

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

Supplier Ardex UK Limited  
Homefield Road  
Haverhill  
Suffolk  
CB9 8QP  
Tel. 01440 714939  
Fax. 01440 716667  
e-mail: [safetydatasheets@ardex.co.uk](mailto:safetydatasheets@ardex.co.uk)  
Contact Person Mr. Michael Langdon, Technical Manager

**1.4. Emergency telephone number**

+44 (0) 870 190 6777 (24 hours)

**SECTION 2: HAZARDS IDENTIFICATION**

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

Classification (EC 1272/2008)  
Physical and Chemical Hazards Not classified.  
Human health Not classified.  
Environment Not classified.  
Classification (1999/45/EEC) Not classified.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**2.2. Label elements**

Label In Accordance With (EC) No. 1272/2008  
No pictogram required.

Supplemental label information  
EUH210 Safety data sheet available on request.

**2.3. Other hazards**

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2. Mixtures**

Composition Comments  
None of the ingredients are required to be listed.

**SECTION 4: FIRST AID MEASURES**

**4.1. Description of first aid measures**

General information

No recommendation given.

Inhalation

Move into fresh air and keep at rest.

Ingestion

Rinse mouth thoroughly. Drink plenty of water. Get medical attention if any discomfort continues.

Skin contact

Rinse with water. Contact physician if discomfort continues.

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Contact physician if irritation persists. Do not rub eye.

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

Ingestion

No specific symptoms noted.

Skin contact

No specific symptoms noted.

Eye contact

May cause temporary eye irritation.

**4.3. Indication of any immediate medical attention and special treatment needed**

No specific first aid measures noted.

**SECTION 5: FIREFIGHTING MEASURES**

**5.1. Extinguishing media**

Extinguishing media

The product is non-combustible.

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

Hazardous combustion products

Not known.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

Specific hazards

Not relevant

**5.3. Advice for firefighters**

Special Fire Fighting Procedures

No specific fire fighting procedure given.

Protective equipment for fire-fighters

Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

For personal protection, see section 8. Avoid inhalation of dust. Avoid contact with eyes. In case of spills, beware of slippery floors and surfaces.

**6.2. Environmental precautions**

Collect and dispose of spillage as indicated in section 13. Do not allow to enter drains, sewers or watercourses.

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

Avoid generation and spreading of dust. Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like.

**6.4. Reference to other sections**

For personal protection, see section 8. For waste disposal, see section 13.

**SECTION 7: HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

Avoid contact with skin and eyes. Avoid eating, drinking and smoking when using the product. Avoid inhalation of dust.

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

Keep in original container. Store in a dry place.

Storage Class

Unspecified storage.

**7.3. Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1. Control parameters****8.2. Exposure controls**

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance	Powder, dust
Colour	White / off-white.
Odour	Characteristic.
Solubility	Hardens in contact with water. Aqueous solutions are basic.
Initial boiling point and boiling range (°C)	
Not applicable.	
Melting point (°C)	1450
Relative density	2,96 kg/L 20°C
Bulk Density	900 - 1100 kg/m <sup>3</sup>
Vapour density (air=1)	
Not applicable.	
Vapour pressure	
Not applicable.	
Evaporation rate	
Not applicable.	
	Technically not feasible.
Evaporation Factor	
Not applicable.	
pH-Value, Conc. Solution	7.5 - 8.5
Viscosity	
Not applicable.	
Solubility Value (G/100G H <sub>2</sub> O@20°C)	2, 4 g/L
Decomposition temperature (°C)	
Not applicable.	
Odour Threshold, Lower	
Not applicable.	
Odour Threshold, Upper	
Not applicable.	
Flash point (°C)	
Not applicable.	
Auto Ignition Temperature (°C)	
Not applicable.	
Flammability Limit - Lower(%)	
Not applicable.	
	Technically not feasible.
Flammability Limit - Upper(%)	
Not applicable.	

Partition Coefficient  
(N-Octanol/Water)  
Not applicable.  
Explosive properties  
Not applicable.  
Other Flammability  
Not applicable.  
Oxidising properties  
Not applicable.

## **9.2. Other information**

Refractive Index  
Not applicable.  
Volatile Organic Compound (VOC)  
Not applicable.

## **SECTION 10: STABILITY AND REACTIVITY**

### **10.1. Reactivity**

There are no known reactivity hazards associated with this product.

### **10.2. Chemical stability**

No particular stability concerns.

### **10.3. Possibility of hazardous reactions**

Not relevant  
Hazardous Polymerisation  
Not relevant

### **10.4. Conditions to avoid**

The product will harden into a hard mass in contact with water and moisture.

### **10.5. Incompatible materials**

Materials To Avoid  
No incompatible groups noted.

### **10.6. Hazardous decomposition products**

No hazardous decomposition products.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1. Information on toxicological effects**

#### Acute toxicity:

Acute Toxicity (Oral LD50)  
> 5000 mg/kg Rat

Acute Toxicity (Inhalation LC50)  
> 261 mg/l (dust/mist) Rat 4 hours

#### Skin Corrosion/Irritation:

Erythema/Eschar score  
No erythema (0).  
Oedema score  
No oedema (0).

#### Respiratory or skin sensitisation:

Not Sensitising.

#### Germ cell mutagenicity:

Negative.

#### Reproductive Toxicity:

Reproductive Toxicity - Fertility

Not applicable.

Inhalation

May cause irritation to the respiratory system.

Ingestion

No harmful effects expected in amounts likely to be ingested by accident.

Skin contact

Not a skin sensitiser.

Eye contact

Irritating to eyes.

Health Warnings

No specific health warnings noted.

## SECTION 12: ECOLOGICAL INFORMATION

### **12.1. Toxicity**

LC 50, 96 Hrs, Fish mg/l > 100 mg/L

EC 50, 48 Hrs, Daphnia, mg/l > 100 mg/L

IC 50, 72 Hrs, Algae, mg/l > 100 mg/L

Acute Toxicity - Microorganisms

EC50 3 hours > 1000 mg/l Activated sludge

### **12.2. Persistence and degradability**

Degradability

There are no data on the degradability of this product.

### **12.3. Bioaccumulative potential**

Bioaccumulative potential

Will not bio-accumulate.

Partition coefficient

Not applicable.

### **12.4. Mobility in soil**

Mobility:

Not relevant, due to the form of the product.

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

This product does not contain any PBT or vPvB substances.

### **12.6. Other adverse effects**

Not applicable.

## SECTION 13: DISPOSAL CONSIDERATIONS

General information

The packaging should be collected for reuse.

### **13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements. Powder to be collected, sealed tightly in bags and disposed on approved landfills.

Waste Class

170904: mixed construction and demolition wastes other than those mentioned in 170901, 170902 and 170903

## SECTION 14: TRANSPORT INFORMATION

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**14.1. UN number**

Not applicable.

**14.2. UN proper shipping name**

Not applicable.

**14.3. Transport hazard class(es)**

Transport Labels

No transport warning sign required.

**14.4. Packing group**

Not applicable.

**14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant

No.

**14.6. Special precautions for user**

Not applicable.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

EU Legislation

Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION**

Revision Comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Issued By	Mr. Michael Langdon, Technical Manager (Telephone:01440 714939)
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Revision Date	17/06/2015
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Revision	11
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Supersedes date	06/03/2013
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Risk Phrases In Full

NC	Not classified.
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## Disclaimer

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