ARDEX S 7 Plus W

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.
Issue date: 2/25/2026 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 S 7 Plus W
Product code : 46483

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

1.2.1. Relevant identified uses

Main use category : Professional use
Industrial/Professional use spec : Construction materials
Use of the substance/mixture : Waterproofing
Function or use category : Construction materials

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier
Ardex UK Limited
Homefield Road
CB9 8QP Haverhill Suffolk
United Kingdom
T 01440 714939 - F 01440 716667
safetydatasheets@ardex.co.uk

1.4. Emergency telephone number

Country/Area	Organisation	Emergency number
England	Emergency number.	+44 (0) 870 190 6777 (24 hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to GB CLP (SI 2019:720 as amended)

Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 1 H318
Full text of H- and EUH-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 GB CLP (SI 2019:720 as amended)

Hazard pictograms (GB CLP) :

GHS05

Signal word (GB CLP) : Danger
Contains : Portland cement
Hazard statements (GB CLP) : H315 - Causes skin irritation.
H318 - Causes serious eye damage.

Precautionary statements (GB CLP)	:	P280 - Wear eye protection, protective gloves. P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P102 - Keep out of reach of children. P261 - Avoid breathing dust.
Extra phrases (GB CLP)	:	Dispose of the container and contents in the set state in accordance with applicable local/regional/national/international regulations.

2.3. Other hazards

Other hazards which do not result in classification	:	The product contains chromate reducer, whereby the content of water-soluble chromium (VI) is less than 0.0002%. With proper storage (dry) and consumption within the specified storage time, a sensitizing effect of the cement / binder by contact with skin cannot occur (H317 or EUH203 can therefore be omitted).

Results of PBT and vPvB assessment

Component	
Substance(s) not meeting the PBT criteria of UK REACH regulation, in accordance with Annex XIII	Portland cement (65997-15-1)
Substance(s) not meeting the vPvB criteria of UK REACH regulation, in accordance with Annex XIII	Portland cement (65997-15-1)

Results of Endocrine Disruptor assessment

Component	
Substance(s) not considered as endocrine disrupting. They are not included in the list established in accordance with Article 59(1) of UK REACH for having endocrine disrupting properties, nor identified as having endocrine disrupting properties in accordance with the criteria set out in GB BPR and GB PPP	Portland cement(65997-15-1)

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to GB CLP (SI 2019:720 as amended)
quartz, conc respirable crystalline silica<1 % substance with workplace exposure limit(s)	CAS-No.: 14808-60-7 EC-No.: 238-878-4	> 20 - < 40	Not classified
Portland cement substance with workplace exposure limit(s)	CAS-No.: 65997-15-1 EC-No.: 266-043-4	> 10 - < 20	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335

Comments : Chromium (VI) compounds < 2 ppm

Full text of H- and EUH-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. Do not induce vomiting.

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

Symptoms/effects after skin contact : Irritation.

Symptoms/effects 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 : Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media : high volume water jet.

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 Section 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 : Mechanically recover the product. Minimise 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 Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : See Section 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. The product contains chromate reducer, whereby the content of water-soluble chromium (VI) is less than 0.0002%.
With proper storage (dry) and consumption within the specified storage time, a sensitizing effect of the cement / binder by contact with skin cannot occur (H317 or EUH203 can therefore be omitted).

Incompatible materials : Aluminium. Acids. ammonium salts.

Storage area : dry.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Portland cement (65997-15-1)	
United Kingdom - Occupational Exposure Limits	
Local name	Portland cement
WEL TWA (OEL TWA)	0.01 mg/m³ 10 mg/m³ (Inhalable dust) 4 mg/m³ (Respirable dust) 0.025 mg/m³ (Exposures to Chromium (VI) Compounds generated as a result of a work process, such as fumes from welding.)
WEL STEL (OEL STEL)*	0.03 mg/m³
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
	*STEL value is calculated based on the TWA limit

quartz, conc respirable crystalline silica<1 % (14808-60-7)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	0.1 mg/m³ (Respirable fraction)
WEL STEL (OEL STEL)*	0.3 mg/m³
	*STEL value is calculated based on the TWA limit

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

calcium sulfate (10101-41-4)	
DNEL/DMEL (Workers)	
Acute - systemic effects, inhalation	5082 mg/m³ (Anhydrous form, Experimental value)
Long-term - systemic effects, inhalation	21.17 mg/m³ (Anhydrous form, Experimental value)
DNEL/DMEL (General population)	
Acute - systemic effects, inhalation	3811 mg/m³ (Anhydrous form, Experimental value)
Acute - systemic effects, oral	11.4 mg/kg bw/day (Anhydrous form, Experimental value)
Long-term - systemic effects,oral	1.52 mg/kg bw/day (Anhydrous form, Experimental value)
Long-term - systemic effects, inhalation	5.29 mg/m³ (Anhydrous form, Experimental value)
PNEC (STP)	
PNEC sewage treatment plant	100 mg/l

lithium-carbonate (554-13-2)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	100 mg/kg bw/day
Acute - systemic effects, inhalation	30 mg/m³
Long-term - systemic effects, dermal	64.3 mg/kg bw/day
Long-term - systemic effects, inhalation	10 mg/m³
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	50 mg/kg bw/day
Acute - systemic effects, inhalation	28.92 mg/m³
Acute - systemic effects, oral	19.23 mg/kg bw/day
Long-term - systemic effects,oral	6.43 mg/kg bw/day
Long-term - systemic effects, inhalation	9.64 mg/m³
Long-term - systemic effects, dermal	64.3 mg/kg bw/day
PNEC (Water)	
PNEC aqua (freshwater)	9 mg/l
PNEC aqua (marine water)	0.9 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	238.4 mg/kg dwt
PNEC sediment (marine water)	23.84 mg/kg dwt
PNEC (Soil)	
PNEC soil	44.11 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	122.2 mg/l

chalk (1317-65-3)	
PNEC (STP)	
PNEC sewage treatment plant	100 mg/l

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:
Ensure good ventilation of the work station. Avoid creating or spreading dust.

8.2.2. Personal protection equipment

Personal protective equipment:
Safety glasses. Dust formation: dust mask. Gloves.

Personal protective equipment symbol(s):

8.2.2.1. Eye and face protection

Eye protection:
Wear closed safety glasses. Avoid contact with skin and eyes

8.2.2.2. Skin protection

Skin and body protection:
Wear proper protective equipment

Hand protection:
Protective gloves

Hand protection					
Type	**Material**	**Permeation**	**Thickness (mm)**	**Penetration**	**Standard**
	Nitrile impregnated cotton gloves	Please follow the instructions related to the permeability and the penetration time provided by the manufacturer	0,15	Refer to supplier/manufacturer	EN ISO 374

8.2.2.3. Respiratory protection

Respiratory protection:
In case of inadequate ventilation wear respiratory protection. Use care during processing to minimize generation of dust

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

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.
Odour	:	odourless.
Odour threshold	:	Not available
pH	:	< 11.5 Aqueous solution
pH solution concentration	:	10 %
Melting point	:	> 1250 °C
Freezing point	:	Not applicable
Boiling point	:	Not applicable

Flash point	:	Not applicable
Flammability	:	Non flammable
Explosive limits	:	Not applicable
Lower explosion limit	:	Not applicable
Upper explosion limit	:	Not applicable
Vapour pressure	:	Not available
Vapour pressure at 50°C	:	Not available
Relative vapour density at 20°C	:	Not applicable
Relative density	:	Not applicable
Density	:	2.75 – 3.2 g/cm³
Solubility	:	Water: 0.1 – 1.5 g/l @ 20°C
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	Not available
Viscosity, kinematic	:	Not applicable
Viscosity, dynamic	:	Not applicable
Explosive properties	:	None
Oxidising properties	:	None.

9.2. Other information

VOC content	:	< 3 %
Bulk density	:	900 – 1300 kg/m³

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 (oral)	:	Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	:	Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	:	Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	:	Causes skin irritation. pH: < 11.5 Aqueous solution

Portland cement (65997-15-1)	
pH	11 – 13.5 (20 °C)

quartz, conc respirable crystalline silica<1 % (14808-60-7)	
pH	5 – 8 (40 %, 20 °C)

Serious eye damage/irritation : Causes serious eye damage.
pH: < 11.5 Aqueous solution

Portland cement (65997-15-1)	
pH	11 – 13.5 (20 °C)

quartz, conc respirable crystalline silica<1 % (14808-60-7)	
pH	5 – 8 (40 %, 20 °C)

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)

Portland cement (65997-15-1)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

ARDEX S 7 Plus W	
Viscosity, kinematic	Not applicable

Portland cement (65997-15-1)	
Viscosity, kinematic	Not applicable (solid)

quartz, conc respirable crystalline silica<1 % (14808-60-7)	
Viscosity, kinematic	Not applicable (solid)

Other information

Endocrine disrupting properties

No additional information available

Other information

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.

Hazardous to the aquatic environment, short–term (acute) : Not classified (Based on available data, the classification criteria are not met)

Hazardous to the aquatic environment, long–term (chronic) : Not classified (Based on available data, the classification criteria are not met)

Portland cement (65997-15-1)	
LC50 - Fish [1]	> 1000 mg/l (96 h, Pisces)

12.2. Persistence and degradability

ARDEX S 7 Plus W	
Persistence and degradability	Not applicable. Inorganic Particulate Substances.

ARDEX S 7 Plus W	
BOD (% of ThOD)	Not applicable

Portland cement (65997-15-1)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)
BOD (% of ThOD)	Not applicable

quartz, conc respirable crystalline silica<1 % (14808-60-7)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

12.3. Bioaccumulative potential

ARDEX S 7 Plus W	
Bioaccumulative potential	No bioaccumulation.

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

quartz, conc respirable crystalline silica<1 % (14808-60-7)	
Bioaccumulative potential	Not bioaccumulative.

12.4. Mobility in soil

ARDEX S 7 Plus W	
Ecology - soil	None.

Portland cement (65997-15-1)	
Surface tension	No data available in the literature
Ecology - soil	No (test)data on mobility of the substance available.

quartz, conc respirable crystalline silica<1 % (14808-60-7)	
Surface tension	No data available in the literature
Ecology - soil	Low potential for mobility in soil.

12.5. Results of PBT and vPvB assessment

Component	
Portland cement (65997-15-1)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII

12.6. Other adverse effects

Ozone : Not classified (Based on available data, the classification criteria are not met)

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation : Disposal must be done according to official regulations.

Waste treatment methods	:	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	:	Dispose in a safe manner in accordance with local/national regulations. Avoid release to the environment.
Ecological waste information	:	Avoid release to the environment.
European List of Waste (LoW, EC 2000/532)	:	17 01 01 - concrete 10 13 14 - waste concrete and concrete sludge For residues 01 04 07* - wastes containing dangerous substances from physical and chemical processing of non-metalliferous minerals

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Transport document description				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	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

Inland waterway transport
Not applicable

Rail 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. National regulations

UK REACH Annex XVII (Restriction List)

This product contains no substance(s) listed on UK REACH Annex XVII (Restriction List) equal to or above the level of SDS disclosure

UK REACH Annex XIV (Authorisation List)

This product contains no substance(s) listed on UK REACH Annex XIV (Authorisation List) equal to or above the 0.1% level of disclosure

UK REACH Candidate List (SVHC)

This product contains no substance(s) listed on the UK REACH Candidate List (SVHC).

GB PIC Regulation (Prior Informed Consent)

This product contains no substance(s) listed on the GB PIC List equal to or above the level of SDS disclosure

POP Regulation (Persistent Organic Pollutants)

This product contains no substance(s) listed on the GB POP List equal to or above the level of SDS disclosure

Ozone Regulation (S.I. No. 168 of 2015)

This product contains no substance(s) listed on the GB Ozone Depletion List equal to or above the level of SDS disclosure

Control of Poisons and Explosives Precursors Act

This product contains no substance(s) listed as a reportable poison on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure
This product contains no substance(s) listed as a regulated poison on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure
This product contains no substance(s) listed as a reportable explosive precursor on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure
This substance is not listed as a regulated poison on the Control of Poisons and Explosives Precursors Regulations

Drug Precursors Regulation (EC 273/2004)

This product contains no substance(s) listed on the GB Drug Precursors List equal to or above the level of SDS disclosure

15.1.2. Other Information

VOC content : < 3 %

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Other information : That information is based on our current knowledge and experience. from the best knowledge currently available; no guarantee is provided that the information is sufficient or correct under all circumstances.

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
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

Safety Data Sheet (SDS), UK

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.