



Safety Data Sheet

according to Regulation (EU) 2015/830

Issue date: 12/11/2018

Revision date: 3/29/2021

Supersedes version of:
12/11/2018

Version: 1.1

www.ardex.de

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

1.1. Product identifier

Product form : Mixture
Product name : ARDEX A 828 Comfort
Product code : 32587

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

1.2.1. Relevant identified uses

Main use category : For professional use only
Industrial/Professional use spec : Construction materials
Use of the substance/mixture : Wall Smoothing Compounds

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

ARDEX GmbH

Friedrich-Ebert-Strasse 45

D-58453 Witten-Annen - Germany

T 0049 (0)2302/664-0 - F 0049 (0)2302/664-355

sicherheitsdatenblatt@ardex.de - www.ardex.de

E-mail address of competent person responsible for the SDS : sicherheitsdatenblatt@ardex.de

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Germany	Vergiftungs-Informations-Zentrale	Breisacher Strasse 86b 79110 Freiburg	+49 (0) 761 19240	For medical information in German and English language

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

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

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

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
calcium sulfate	(CAS-No.) 7778-18-9 (EC-No.) 231-900-3 (REACH-no) 01-2119444918-26	> 70 - < 90	Not classified

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. Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.
- First-aid measures after skin contact : Wash skin with plenty of water.
- First-aid measures after eye contact : Immediately rinse with water for a prolonged period while holding the eyelids wide open. Get medical advice/attention if you feel unwell.
- First-aid measures after ingestion : Rinse mouth. Give nothing or a little water to drink. Do NOT induce vomiting.

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

- Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

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.
- Unsuitable extinguishing media : None.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : No fire hazard.
- Explosion hazard : None.
- Reactivity in case of fire : None.
- Hazardous decomposition products in case of fire : None.

5.3. Advice for firefighters

- Precautionary measures fire : No specific measures are necessary.
- Firefighting instructions : Contain the extinguishing fluids by bunding. Do not allow run-off from fire-fighting to enter drains or water courses.
- Protection during firefighting : Ensure that firefighters are protected.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Spilled material may present a slipping hazard.

6.1.1. For non-emergency personnel

- Protective equipment : See Heading 7.
- Emergency procedures : Ventilate spillage area.
- Measures in case of dust release : Avoid dust formation.

6.1.2. For emergency responders

- Protective equipment : For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. 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. On land, sweep or shovel into suitable containers.
- Other information : Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : See Heading 8.

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Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Avoid dust formation.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Does not require any specific or particular technical measures.
Storage conditions	: Keep only in original container. Store in a dry place.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

calcium sulfate (7778-18-9)		
Germany	Local name	Calciumsulfat
Germany	AGW (OEL TWA) [1]	6 mg/m ³ (A)
Germany	Remark	DFG

calcium sulfate (7778-18-9)		
DNEL/DMEL (Workers)		
Acute - systemic effects, inhalation	5082 mg/m ³ (Experimental value)	
Long-term - systemic effects, inhalation	21.17 mg/m ³ (Experimental value)	
DNEL/DMEL (General population)		
Acute - systemic effects, inhalation	3811 mg/m ³ (Experimental value)	
Acute - systemic effects, oral	11.4 mg/kg bw/day (Experimental value)	
Long-term - systemic effects, oral	1.52 mg/kg bw/day (Experimental value)	
Long-term - systemic effects, inhalation	5.29 mg/m ³ (Experimental value)	
PNEC (STP)		
PNEC sewage treatment plant	100 mg/l	

calcium carbonate (471-34-1)		
DNEL/DMEL (Workers)		
Long-term - local effects, inhalation	6.36 mg/m ³	
DNEL/DMEL (General population)		
Acute - systemic effects, oral	6.1 mg/kg bw/day	
Long-term - systemic effects, oral	6.1 mg/kg bw/day	
Long-term - local effects, inhalation	1.06 mg/m ³	
PNEC (STP)		
PNEC sewage treatment plant	100 mg/l	

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

Protective gloves

Eye protection:

In case of dust production: protective goggles

Respiratory protection:

In case of inadequate ventilation wear respiratory protection.

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	: white.
Odour	: odourless.
Odour threshold	: No data available
pH	: 8 – 9

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Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
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
Solubility	: Water: ≥ 2.4 g/l
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: Not applicable

9.2. Other information

Bulk density : 900 – 1100 kg/m³

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available about this product.

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

No available data.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

calcium sulfate (7778-18-9)	
LD50 oral rat	> 1584 mg/kg bodyweight (OECD 420: Acute Oral toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral)
LC50 Inhalation - Rat	> 2.61 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (dust))

Skin corrosion/irritation	: Not classified pH: 8 – 9
Serious eye damage/irritation	: Not classified pH: 8 – 9
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

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Viscosity, kinematic : Not applicable

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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.

calcium sulfate (7778-18-9)

LC50 - Fish [1]	2980 mg/l (96 h, <i>Lepomis macrochirus</i>)
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12.2. Persistence and degradability

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Persistence and degradability	Not applicable.
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calcium sulfate (7778-18-9)

Persistence and degradability	Biodegradability: not applicable.
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Chemical oxygen demand (COD)	Not applicable
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ThOD	Not applicable
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BOD (% of ThOD)	Not applicable
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12.3. Bioaccumulative potential

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Bioaccumulative potential	No bioaccumulation.
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calcium sulfate (7778-18-9)

Bioaccumulative potential	No bioaccumulation data available.
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12.4. Mobility in soil

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Ecology - soil	No information available.
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12.5. Results of PBT and vPvB assessment

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This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
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12.6. Other adverse effects

Other adverse effects : None.

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.

Product/Packaging disposal recommendations : Refer to manufacturer/supplier for information on recovery/recycling. Empty remaining contents. Entrust the thoroughly decontaminated packaging to a licensed waste-contractor.

European List of Waste (LoW) code : 17 09 04 - mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03

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
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
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				

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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. 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

Germany

Regulatory reference : WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)

Storage class (LGK, TRGS 510) : LGK 13 - Non-combustible solids

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

GISCODE : CP1 - Putty, based on calcium sulphate

EMICODE : EC 1 PLUS - very low emission

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

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.