



Safety Data Sheet

according to Regulation (EU) 2015/830

Issue date: 7/31/2021

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7/31/2021

Version: 2.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product form : Mixture
 Product name : ARDEX P 82 Component B
 Product code : 4231

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 : Substrate Preparation

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

E-mail address of competent person responsible for the SDS : 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]**

Skin corrosion/irritation, Category 2 H315

Serious eye damage/eye irritation, Category 2 H319

Skin sensitisation, Category 1 H317

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) :

Warning

Hazardous ingredients :

benzyl alcohol, Isophorondiamine, benzyldimethylamine

Hazard statements (CLP) :

H315 - Causes skin irritation.
 H317 - May cause an allergic skin reaction.
 H319 - Causes serious eye irritation.

Precautionary statements (CLP) :

P102 - Keep out of reach of children.
 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.
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

EUH-statements :

EUH205 - Contains epoxy constituents. May produce an allergic reaction.

ARDEX P 82 Component B

Safety Data Sheet

according to Regulation (EU) 2015/830

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

Labelling according to Directive 67/548/EEC or 1999/45/EC

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|----------------------|---|-------|---|
| benzyl alcohol | (CAS-No.) 100-51-6 (EC-No.) 202-859-9 (EC Index-No.) 603-057-00-5 | < 2,5 | Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Oral), H302 |
| Isophorondiamine | (CAS-No.) 2855-13-2 (EC-No.) 220-666-8 (EC Index-No.) 612-067-00-9 (REACH-no) 01-2119514687-32 | < 2,5 | Skin Sens. 1, H317 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Chronic 3, H412 |
| benzyltrimethylamine | (CAS-No.) 103-83-3 (EC-No.) 203-149-1 (EC Index-No.) 612-074-00-7 | < 0,2 | Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Acute Tox. 3 (Inhalation:vapour), H331 Skin Corr. 1B, H314 Aquatic Chronic 3, H412 |

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 general : Remove dirty clothes.

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 or rash 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. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Do not give an unconscious person anything to drink. If you feel unwell, seek medical advice.

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

Symptoms/effects : If symptoms persist call a doctor.

Symptoms/effects after inhalation : May cause respiratory irritation.

Symptoms/effects after skin contact : May cause an allergic skin reaction.

Symptoms/effects after eye contact : May cause severe irritation.

Symptoms/effects after ingestion : Irritating to the respiratory system and mucous membranes.

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 : Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not dangerous.

Explosion hazard : None.

Reactivity in case of fire : Product is not explosive.

ARDEX P 82 Component B

Safety Data Sheet

according to Regulation (EU) 2015/830

Hazardous decomposition products in case of fire : None.

5.3. Advice for firefighters

Precautionary measures fire : Evacuate area.
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 : Do not attempt to take action without suitable protective equipment.

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 : Concerning personal protective equipment to use, see section 8.
Emergency procedures : Avoid contact with skin and eyes. Avoid breathing dust, fume, gas, mist, vapours, spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Do not allow to enter drains or water courses.

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 : Take up liquid spill into absorbent material.
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. See Heading 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : See Heading 8. When mixing the components: Please note the safety data sheet for the second component.
Precautions for safe handling : Wear personal protective equipment. Avoid contact with skin and eyes. Use only in well ventilated areas.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Store in a well-ventilated place. Keep cool.
Storage conditions : Store in original container. Protect from sunlight.
Incompatible products : Oxidizing agent. Strong bases. Strong acids.
Storage area : Keep out of frost.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

Protective gloves

| Type | Material | Permeation | Thickness (mm) | Penetration | Standard |
|-------------------|---|------------------|----------------|-------------|----------|
| Disposable gloves | Natural rubber, Latex, Butyl rubber, Nitrile rubber (NBR) | 2 (> 30 minutes) | 0,1 | | |

ARDEX P 82 Component B

Safety Data Sheet

according to Regulation (EU) 2015/830

| | | | | | |
|-----------------|----------------------|-------------------|---|--|------------|
| Reusable gloves | Nitrile rubber (NBR) | 6 (> 480 minutes) | 1 | | EN ISO 374 |
|-----------------|----------------------|-------------------|---|--|------------|

Eye protection:

Safety glasses

| Type | Field of application | Characteristics | Standard |
|----------------|--|----------------------------|----------|
| Safety goggles | Safety goggles recommended during refilling. Wear security glasses which protect from splashes | Plastic, With side shields | |

Skin and body protection:

Wear suitable protective clothing

| Type | Standard |
|---|----------|
| Skin protection appropriate to the conditions of use should be provided, Long sleeved protective clothing | |

Respiratory protection:

No specific measures are necessary. 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 | : Liquid |
| Appearance | : Liquid. |
| Colour | : milky. |
| Odour | : No data available |
| Odour threshold | : No data available |
| pH | : 5 – 8.5 |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : Not applicable |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : Not applicable |
| Vapour pressure | : 23 hPa |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : No data available |
| Density | : 1 – 1.1 g/cm³ |
| Solubility | : Forms emulsion in presence of water. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : 100 – 3000 mPa·s |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

9.2. Other information

| | |
|-------------|-------------------------------|
| VOC content | : < 3 % VOC - Swiss ordinance |
|-------------|-------------------------------|

SECTION 10: Stability and reactivity

10.1. Reactivity

None.

ARDEX P 82 Component B

Safety Data Sheet

according to Regulation (EU) 2015/830

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

None.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

| benzyl alcohol (100-51-6) | |
|---------------------------|---|
| LD50 oral rat | 1620 mg/kg bw/day (Rat, Male, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rabbit | > 2000 mg/kg (EPA OTS 798.1100, Rabbit, Male / female, Experimental value, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat | > 4.18 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, (maximum achievable concentration), Inhalation (aerosol), 14 day(s)) |

| Isophorondiamine (2855-13-2) | |
|------------------------------|---|
| LD50 oral rat | 1030 mg/kg (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rat | > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat | > 5.01 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 14 day(s)) |

| benzyl dimethylamine (103-83-3) | |
|---------------------------------|--|
| LD50 oral rat | 579 mg/kg bodyweight (Rat, Male, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rabbit | 1477 mg/kg (24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat | 2.05 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s)) |

Skin corrosion/irritation : Causes skin irritation.

pH: 5 – 8.5

Serious eye damage/irritation : Causes serious eye irritation.

pH: 5 – 8.5

Respiratory or skin sensitisation : May cause an allergic skin reaction.

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

Potential adverse human health effects and symptoms : No data available.

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.

| benzyl alcohol (100-51-6) | |
|---------------------------|---|
| LC50 - Fish [1] | 460 mg/l (EPA OPP 72-1, 96 h, Pimephales promelas, Static system, Fresh water, Experimental value, Nominal concentration) |
| EC50 - Crustacea [1] | 230 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Fresh water, Experimental value, Locomotor effect) |
| ErC50 algae | 770 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP) |

ARDEX P 82 Component B

Safety Data Sheet

according to Regulation (EU) 2015/830

| Isophorondiamine (2855-13-2) | |
|------------------------------|--|
| LC50 - Fish [1] | 110 mg/l (EU Method C.1, 96 h, Leuciscus idus, Semi-static system, Fresh water, Experimental value, Lethal) |
| EC50 - Crustacea [1] | 23 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect) |
| EC50 72h - Algae [1] | 37 mg/l (EU Method C.3, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Cell numbers) |

| benzyl dimethylamine (103-83-3) | |
|---------------------------------|--|
| LC50 - Fish [1] | 37.8 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Static system, Fresh water, Experimental value) |
| EC50 - Crustacea [1] | > 100 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP) |
| ErC50 algae | 1.34 mg/l (EU Method C.3, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP) |

12.2. Persistence and degradability

| ARDEX P 82 Component B | |
|---------------------------------|--|
| Persistence and degradability | Not applicable. |
| benzyl alcohol (100-51-6) | |
| Persistence and degradability | Biodegradable in the soil. Readily biodegradable in water. |
| Isophorondiamine (2855-13-2) | |
| Persistence and degradability | Not readily biodegradable in water. |
| benzyl dimethylamine (103-83-3) | |
| Persistence and degradability | Not readily biodegradable in water. |

12.3. Bioaccumulative potential

| ARDEX P 82 Component B | |
|---|---|
| Bioaccumulative potential | No bioaccumulation. |
| benzyl alcohol (100-51-6) | |
| BCF - Fish [1] | 1.37 l/kg (BCFBAF v3.01, Estimated value) |
| Partition coefficient n-octanol/water (Log Pow) | 1 – 1.1 (Experimental value, 20 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |
| Isophorondiamine (2855-13-2) | |
| BCF - Fish [1] | 1.827 – 3.16 (BCFBAF v3.01, Pisces, Estimated value) |
| Partition coefficient n-octanol/water (Log Pow) | 0.99 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 23 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |
| benzyl dimethylamine (103-83-3) | |
| BCF - Fish [1] | 2.1 – 22 (OECD 305: Bioconcentration: Flow-Through Fish Test, 6 week(s), Cyprinus carpio, Flow-through system, Fresh water, Experimental value) |
| Partition coefficient n-octanol/water (Log Pow) | 1.98 (Experimental value) |
| Bioaccumulative potential | Low potential for bioaccumulation (BCF < 500). |

12.4. Mobility in soil

| ARDEX P 82 Component B | |
|--|--|
| Ecology - soil | No information available. |
| benzyl alcohol (100-51-6) | |
| Surface tension | 39 mN/m (20 °C) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 1.122 – 1.332 (log Koc, SRC PCKOCWIN v2.0, QSAR) |
| Ecology - soil | Highly mobile in soil. |
| Isophorondiamine (2855-13-2) | |
| Surface tension | 3.47 N/m (23 °C) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 2.97 (log Koc, QSAR) |
| Ecology - soil | Low potential for adsorption in soil. |
| benzyl dimethylamine (103-83-3) | |
| Surface tension | 61.47 mN/m (EU Method A.5: Surface tension) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 1.955 – 2.457 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
| Ecology - soil | Low potential for adsorption in soil. |

12.5. Results of PBT and vPvB assessment

ARDEX P 82 Component B

Safety Data Sheet

according to Regulation (EU) 2015/830

| Component | |
|---------------------------------|---|
| benzyl alcohol (100-51-6) | 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 |
| Isophorondiamine (2855-13-2) | 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 |
| benzyltrimethylamine (103-83-3) | 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 |

12.6. Other adverse effects

Additional information : Do not discharge into drains or the environment. The local official regulations for wastewater treatment must be observed

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations : Do not put down the drain. Must undergo physico-chemical treatment prior to disposal.
Product/Packaging disposal recommendations : Dispose of contents/container in accordance with licensed collector's sorting instructions.
European List of Waste (LoW) code : 08 04 10 - waste adhesives and sealants other than those mentioned in 08 04 09

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 | | | | |

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

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

VOC content : < 3 % VOC - Swiss ordinance

ARDEX P 82 Component B

Safety Data Sheet

according to Regulation (EU) 2015/830

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:

| | |
|----------------------------------|---|
| Acute Tox. 3 (Inhalation:vapour) | Acute toxicity (inhalation:vapour) Category 3 |
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4 |
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| EUH205 | Contains epoxy constituents. May produce an allergic reaction. |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H312 | Harmful in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H331 | Toxic if inhaled. |
| H332 | Harmful if inhaled. |
| H412 | Harmful to aquatic life with long lasting effects. |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1, Sub-Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |

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.