



Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 9/13/2016 Revision date:

Supersedes:

Version: 1.0

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

1.1. Product identifier

Product form : Mixture
 Product name : Pandomo K 1
 Product code : 53181

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 : PANDOMO

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

1.4. Emergency telephone number

| Country | Organisation/Company | Address | Emergency number | Comment |
|---------|-----------------------------------|--------------------------------------|-------------------|--|
| Germany | Vergiftungs-Informations-Zentrale | Mathildenstrasse 1 79106 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

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

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| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|-----------------|--|-----|--|
| Portland cement | (CAS No) 65997-15-1 (EC no) 266-043-4 | < 1 | STOT SE 3, H335 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 |

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. |

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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

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

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| | |
|----------------------------------|--------------------------------|
| 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 ³ |
| Solubility | : Water: 0.1 - 1.5 g/l @ 20°C |
| Log Pow | : No data available |
| Viscosity, kinematic | : Not applicable |
| Viscosity, dynamic | : No data available |
| Explosive properties | : None. |
| Oxidising properties | : None. |
| Explosive limits | : Not applicable |

9.2. Other information

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 | : 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.

Portland cement (65997-15-1)

| | |
|-------------|--------------------------|
| LC50 fish 1 | > 1000 mg/l (LC50; 96 h) |
|-------------|--------------------------|

12.2. Persistence and degradability

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| | |
|-------------------------------|---|
| Persistence and degradability | Not applicable. Inorganic Particulate Substances. |
|-------------------------------|---|

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| Portland cement (65997-15-1) | |
|---------------------------------|---|
| Persistence and degradability | Biodegradability: not applicable. No (test)data on mobility of the substance available. |
| Biochemical oxygen demand (BOD) | Not applicable |
| Chemical oxygen demand (COD) | Not applicable |
| ThOD | Not applicable |

12.3. Bioaccumulative potential

| Pandomo K 1 | |
|---------------------------|---------------------|
| Bioaccumulative potential | No bioaccumulation. |

| Portland cement (65997-15-1) | |
|------------------------------|----------------------------------|
| Bioaccumulative potential | Bioaccumulation: not applicable. |

12.4. Mobility in soil

| Pandomo K 1 | |
|----------------|-------|
| Ecology - soil | None. |

12.5. Results of PBT and vPvB assessment

| Pandomo K 1 | |
|---|--|
| 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 |
|---|----------------|----------------|
| 14.1. UN number | | |
| Not applicable | Not applicable | Not applicable |
| 14.2. UN proper shipping name | | |
| 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 |
| 14.4. Packing group | | |
| Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards | | |
| 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

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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

VwVwS Annex reference : Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 4)

Storage class (LGK) : LGK 13 - Non-combustible solids

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

GISCODE : ZP1 - Products containing cement, low in chromate

Other information, restrictions and prohibition regulations : TRGS 402: Identification and Assessment of the Risks from Activities involving Hazardous Substances: Inhalation Exposure

TRGS 510: Storage of hazardous substances in non-stationary containers

TRGS 900: Occupational Exposure Limits

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

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 |
| Skin Sens. 1 | Sensitisation — Skin, Category 1 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H335 | May cause respiratory irritation |

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