

## Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 18.05.2024

Version number 15 (replaces version 14)

Revision: 20.03.2023

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

#### · 1.1 Product identifier

· Trade name: **PressurePro Machine Protector RM 110**

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

No further relevant information available.

· Application of the substance / the mixture Scale inhibitor

#### · 1.3 Details of the supplier of the safety data sheet

##### · Manufacturer/Supplier:

**Alfred Kärcher SE & Co. KG**

Alfred-Kärcher-Str. 28-40

D - 71364 Winnenden

Tel.: +49-7195-14-0

Internet: [www.karcher.com](http://www.karcher.com)

#### · Further information obtainable from:

Regulatory Affairs

Tel.: +49-7195-14-0

[productsafety.management.de@karcher.com](mailto:productsafety.management.de@karcher.com)

#### · 1.4 Emergency telephone number:

For Hazardous Materials [or Dangerous Goods] Incidents

Spill, Leak, Fire, Exposure, or Accident

Call CHEMTREC Day or Night

Within USA and Canada: 1-800-424-9300

Outside USA and Canada: +1 703-741-5970 (collect calls accepted)

### SECTION 2: Hazards identification

#### · 2.1 Classification of the substance or mixture

##### · Classification according to Regulation (EC) No 1272/2008

The product is not classified, according to the CLP regulation.

#### · 2.2 Label elements

##### · Labelling according to Regulation (EC) No 1272/2008 Void

· Hazard pictograms Void

· Signal word Void

· Hazard statements Void

#### · 2.3 Other hazards

##### · Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

· Determination of endocrine-disrupting properties Not applicable.

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### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** dispersing agents
- **Dangerous components:** Void
- **Additional information** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information** No special measures required.
- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Generally the product does not irritate the skin.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing**  
Rinse out mouth and then drink plenty of water.  
If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:**  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.  
Do not allow to penetrate the ground/soil.

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### 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

### 6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling No special measures required.

### Information about fire - and explosion protection: No special measures required.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage

**Requirements to be met by storerooms and receptacles:** No special requirements.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** None.

### 7.3 Specific end use(s) No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

### Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

### 8.2 Exposure controls

**Appropriate engineering controls** No further data; see section 7.

**Individual protection measures, such as personal protective equipment**

#### General protective and hygienic measures

The usual precautionary measures are to be adhered to when handling chemicals.

**Respiratory protection:** Not necessary if room is well-ventilated.

**Hand protection** Not required.

**Material of gloves** Not required.

**Penetration time of glove material** Not required.

**Eye/face protection** Not required.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General Information

**Physical state**

Fluid

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|  |                         |
|--|-------------------------|
| · Colour:  | Yellow                  |
| · Odour:   | Product specific        |
| · Odour threshold:   | Not determined.         |
| · Melting point/freezing point:                            | 0 °C                    |
| · Boiling point or initial boiling point and boiling range | 100 °C                  |
| · Flammability   | Not applicable.         |
| · Lower and upper explosion limit                          |                         |
| · Lower:   | Not determined.         |
| · Upper:   | Not determined.         |
| · Flash point:   | Not applicable          |
| · Auto-ignition temperature:                               | not applicable          |
| · Decomposition temperature:                               | Not determined.         |
| · pH at 20 °C  | 9                       |
| · pH-value 1 %:  | 7-9                     |
| · Viscosity:   |                         |
| · Kinematic viscosity                                      | Not determined.         |
| · dynamic at 20 °C:  | 1.5 mPas                |
| · Solubility   |                         |
| · Water:   | Fully miscible          |
| · Partition coefficient n-octanol/water (log value)        | Not determined.         |
| · Vapour pressure:   | Not determined.         |
| · Density and/or relative density                          |                         |
| · Density at 20 °C:  | 1.017 g/cm <sup>3</sup> |
| · Relative density   | Not determined.         |
| · Vapour density   | Not determined.         |
| · Relative gas density                                     | Not determined.         |
| · Particle characteristics                                 | Not applicable.         |

### 9.2 Other information

|   |   |
|---|---|
| · Appearance:   |   |
| · Form:   | Fluid   |
| · Important information on protection of health and environment, and on safety. |   |
| · Ignition temperature:   | Product is not selfigniting.                  |
| · Explosive properties:   | Product does not present an explosion hazard. |
| · Change in condition   |   |
| · Evaporation rate  | Not determined.                               |

### Information with regard to physical hazard classes

|   |      |
|---|------|
| · Explosives                            | Void |
| · Flammable gases                       | Void |
| · Aerosols                              | Void |
| · Oxidising gases                       | Void |
| · Gases under pressure                  | Void |
| · Flammable liquids                     | Void |
| · Flammable solids                      | Void |
| · Self-reactive substances and mixtures | Void |
| · Pyrophoric liquids                    | Void |
| · Pyrophoric solids                     | Void |

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- |   |      |
|---|------|
| · Self-heating substances and mixtures                                      | Void |
| · Substances and mixtures, which emit flammable gases in contact with water | Void |
| · Oxidising liquids   | Void |
| · Oxidising solids  | Void |
| · Organic peroxides   | Void |
| · Corrosive to metals   | Void |
| · Desensitised explosives   | Void |

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** corresponds to 10.3
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

#### · Endocrine disrupting properties

None of the ingredients is listed.

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### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **COD-value:** 18.000 mg/l
- **General notes:**
- The product does not contain organically bounded halogens (AOX-free).
- The product does not contain organic complexing agents.
- Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
- Hand over to hazardous waste disposers.
- Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.
- **European waste catalogue**

|          |   |
|----------|---|
| 20 01 30 | detergents other than those mentioned in 20 01 29 |
|----------|---|

- **Uncleaned packaging:**
- **Recommendation:**
- Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.
- **Recommended cleansing agents:** Water, if necessary together with cleaning agents.

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### SECTION 14: Transport information

- |  |                 |
|--|-----------------|
| · 14.1 UN number or ID number                                  |                 |
| · ADR, IMDG, IATA  | Void            |
| · 14.2 UN proper shipping name                                 |                 |
| · ADR, ADN, IMDG, IATA   | Void            |
| · 14.3 Transport hazard class(es)                              |                 |
| · ADR, ADN, IMDG, IATA   |                 |
| · Class  | Void            |
| · 14.4 Packing group   |                 |
| · ADR, IMDG, IATA  | Void            |
| · 14.5 Environmental hazards:                                  | Not applicable. |
| · 14.6 Special precautions for user                            | Not applicable. |
| · 14.7 Maritime transport in bulk according to IMO instruments | Not applicable. |
| · UN "Model Regulation":                                       | Void            |

### SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
  - Directive 2012/18/EU
  - Named dangerous substances - ANNEX I None of the ingredients is listed.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.  
A product information sheet can be provided if requested.

- **Contact:**  
Regulatory Affairs  
Tel.: +49-7195-14-0  
productsafety.management.de@karcher.com
- **Version number of previous version:** 14
- **Abbreviations and acronyms:**  
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances

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ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

· **\* Data compared to the previous version altered.**

· 0·011-730·0                      RM110/24                      2·651