

### Description of material or container

MB-PVP can be stored in tightly sealed containers for up to 6 months at a storage temperatures of +5 °C - +30 °C. All information below pertains to the pure, undiluted product. At the prescribed doses (0.5 % - 8 % of cement weight), the product is chemically absorbed in the cement mortar, thus not dangerous or detectable.

### Hazards identification

Irritates the eyes, risk of serious eye damage, may irritate the airways, may cause skin irritation.

### First aid

- General notices: take off contaminated clothing;
- If inhaled: rest, move to fresh air and get medical advice/attention;
- If on skin: wash with plenty of soap and water;
- If in eyes: rinse cautiously with lukewarm running water for at least 15 minutes, holding the eyes open and get medical advice/attention;
- If swallowed: immediately rinse mouth and drink plenty of water, get medical advice/attention.

### Fire-fighting measures for contaminated parts

- Recommended extinguishing media: water spray, dry chemicals, foam or carbon dioxide;
- Fire may release: carbon monoxide;
- Special fire fighting procedures use self contained breathing apparatus;
- Disposal of fire-fighting waters: collect contaminated fire-fighting water separately, prevent fire-fighting waters from entering sewer.

### Measures for accidental release

- Personal precautions: ensure sufficient ventilation, wear protective equipment, keep unprotected persons away, avoid contact with the skin and eyes, use breathing apparatus if exposed to vapours/dust/aerosol, slipping hazard due to leaked/spilled product;
- Environmental measures: prevent from entering sewer/surface water/groundwater, notify competent authorities if product enters waterways or sewers, strike down gases/vapours/mist with water spray;
- Cleaning/absorption measures: ensure sufficient ventilation, absorb with liquid-binding material (sand, diatomite, universal binding agent), recycle or dispose in suitable containers, dispose of absorbed material properly.

### Handling and storage

- Handling: ensure the work area is well ventilated, avoid contact with the skin and eyes, the material is not flammable;
- Storage: keep container tightly sealed, protect from frost, observe water-management legislation.

### Limiting and monitoring exposure, personal protective equipment

- Components with critical values that require monitoring at the workplace: no relevant amounts of substances that require monitoring at the workplace;
- Additional information: written based on current relevant lists, limits and monitoring of exposure;

- Personal protective equipment: observe the typical precautions for handling chemicals;
- Respiratory protection: not required;
- Hand protection: only use chemical-protective gloves with category III CE mark, glove material nitrile rubber, neoprene, PVC or PE, contact the manufacturer of the protective glove for the exact breakthrough time and observe;
- Eye protection: safety goggles recommended during transfer;
- Personal protection: protective clothing.

### Physical and chemical properties

- Appearance: liquid, milky white;
- Odour: mild, pH value: 9 - 10 at 20 °C;
- Change of state: melting point/melting range: -3 °C;
- Boiling point/boiling range: 100 °C;
- Flash point: not applicable;
- Autoignition: not autoignitable;
- Explosion hazard: not explosive;
- Solubility in/miscibility with water: miscible.

### Stability and reactivity

- Possibility of hazardous reactions: exothermic reaction with acids, reaction with base metals;
- Conditions to avoid: do not overheat to avoid thermal decomposition;
- Incompatible materials: strong acids, base metals, sal ammoniac;
- Hazardous decomposition products: carbon monoxide.

### Toxicological information

- Primary irritation effect: irritates the skin, severe irritation with risk of serious eye damage;
- Sensitisation: contains a sensitising substance, may cause allergic reactions;
- Additional toxicological information: based on the calculation method of the EU General Classification Guideline for Preparations in the most recent version, the product presents the following hazards: Irritating on pure contact.

### Environmental information

- Biodegradability: easily biodegradable

### Disposal

- Dispose in accordance with local regulatory requirements, must not enter groundwater.

### Transport

- UN number ADR, ADN, IMDG, IATA not applicable;
- Proper UN shipping name ADR, ADN, IMDG, IATA not applicable;
- Transport hazard classes ADR, ADN, IMDG, IATA class not applicable;
- Packaging group ADR, IMDG, IATA not applicable;
- Transport/additional information: not a hazardous material according to the above regulations.

**Description of material or container**

MB-Typ E can be stored in tightly sealed containers for up to 6 months at a storage temperature of +5 °C - +30 °C. The following information applies to the pure, undiluted product. At the prescribed doses (0.3 % - 1 % of cement weight), the product is chemically absorbed in the cement mortar, thus not dangerous or detectable.

**Hazards identification**

Irritates the eyes, risk of serious eye damage, may irritate the airways, may cause skin irritation.

**First aid**

- General notices: take off contaminated clothing;
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- If swallowed: immediately rinse mouth and drink plenty of water, get medical advice/attention.

**Fire-fighting measures for contaminated parts**

- Recommended extinguishing media: water spray, dry chemicals, foam or carbon dioxide;
- Fire may release: carbon monoxide, formaldehyde, sulphur oxides, carbon dioxide, silicon dioxide, sodium oxide;
- Special fire fighting procedures use self contained breathing apparatus;
- Disposal of fire-fighting waters: collect contaminated fire-fighting water separately, prevent fire-fighting waters from entering sewer.

**Measures for accidental release**

- Personal precautions: ensure sufficient ventilation, wear protective equipment, keep unprotected persons away, avoid contact with the skin and eyes, slipping hazard due to slipping hazard due to leaked/spilled product;
- Environmental measures: prevent from entering sewer/surface water/groundwater, notify competent authorities if product enters waterways or sewers, strike down gases/vapours/mist with water spray;
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