

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 11.04.2016

Version number 1

Revision: 11.04.2016

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

- **Product identifier**
- **Trade name: Ha - Be Bonding Aid**
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Concrete protection
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Ha-Be Middle East Oman LLC  
P.O. Box 32 | Postal Code 118 | Muscat - Sultanate of Oman  
Phone: +968 24181713  
office.oman@ha-be.com | www.om.ha-be.com  
  
Ha-Be Middle East FZE  
SAIF Zone | P.O. Box 9583 | Sharjah - UAE  
Phone: +971 6 557 28 30 | Fax +971 6 55728 60  
office.uae@ha-be.com | www.ha-be.ae  
  
Ha-Be Qatar | Concrete Additives Company W.L.L  
P.O. Box 500596 | Doha – Qatar  
Phone: +974 44691210 | Fax: +974 44165280  
office.qatar@ha-be.com | www.qa.ha-be.com
- **Further information obtainable from:**  
Product Safety Department  
reach@ha-be.com

### 2 Hazards identification

- **Classification of the substance or mixture**  
The product is not classified according to the Globally Harmonised System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.
- **Dangerous components:** Void

### 4 First aid measures

- **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:** If symptoms persist consult doctor.

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- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Firefighting measures

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

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:**  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections** No dangerous substances are released.

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special measures required.
- **Information about fire - and explosion protection:** No special measures required.
- **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:**  
Store in cool, dry conditions in well sealed receptacles.  
Protect from heat and direct sunlight.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **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.
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not required.

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**- Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**- Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**- Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**- Eye protection:** Goggles recommended during refilling

## 9 Physical and chemical properties

**- Information on basic physical and chemical properties**
**- General Information**
**- Appearance:**

**Form:** Fluid  
**Colour:** White

**- Odour:** Characteristic

**- pH-value at 20 °C:** 8

**- Change in condition**

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** > 100 °C

**- Flash point:** Not applicable.

**- Self-igniting:** Product is not selfigniting.

**- Danger of explosion:** Product does not present an explosion hazard.

**- Density at 20 °C:** 1,03 g/cm<sup>3</sup>

**- Solubility in / Miscibility with water:** Fully miscible.

**- Viscosity:**

**Kinematic at 25 °C:** 50 - 200 mPas

**- Other information** No further relevant information available.

## 10 Stability and reactivity

**- Reactivity** No further relevant information available.

**- Chemical stability**
**- Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

**- Possibility of hazardous reactions** No dangerous reactions known.

**- Conditions to avoid** No further relevant information available.

**- Incompatible materials:** No further relevant information available.

**- Hazardous decomposition products:** No dangerous decomposition products known.

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### 11 Toxicological information

- Information on toxicological effects
- Acute toxicity

- LD/LC50 values relevant for classification:
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101-83-7 dicyclohexylamine
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Oral	LD50	373 mg/kg (rat)
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- Primary irritant effect:
- Skin corrosion/irritation No irritant effect.
- Serious eye damage/irritation No irritating effect.
- Respiratory or skin sensitisation No sensitising effects known.
- Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

### 12 Ecological information

- Toxicity
- Aquatic toxicity: No further relevant information available.
- Persistence and degradability No further relevant information available.
- Behaviour in environmental systems:
- Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- Additional ecological information:
- General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- Results of PBT and vPvB assessment

- PBT: Not applicable.

- vPvB: Not applicable.

- Other adverse effects No further relevant information available.

### 13 Disposal considerations

- Waste treatment methods
- Recommendation  
Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.
- Uncleaned packaging:
- Recommendation: Packaging may be reused or recycled after cleaning.
- Recommended cleansing agents: Water, if necessary together with cleaning agents.

### 14 Transport information

- UN-Number
  - ADR, IMDG, IATA
  - UN proper shipping name
  - ADR, IMDG, IATA
- Void

Void

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- **Transport hazard class(es)**
- **ADR, IMDG, IATA**
- **Class** Void
- **Packing group**
- **ADR, IMDG, IATA** Void
- **Environmental hazards:** Not applicable.
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.
- **Transport/Additional information:** Not dangerous according to the above specifications.

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

The above information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. Properties of the product are to be found in the respective product leaflet.

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