



# SAFETY DATA SHEET

according to Regulation 1907/2006/EC, Article 31

Printing Date : 21/01/19

Revision : 21/01/19

Version number 1

TRADE NAME : SAPIR 341 Base (Component A)
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## **I: IDENTIFICATION OF THE SUBSTANCE\ PREPARATION AND OF THE COMPANY UNDERTAKING:**

### **-1.1 Product identifier**

Trade name: SAPIR 341 Base (Component A)

Product type: Epoxy Resin

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

· **Sector of Use** For Industrial Use Only

-**Application of the substance / the mixture:**

Repair of concrete.

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

· **Manufacturer/Supplier:**

Company: A.Z. MARKETING L.T.D.

Address: HaBonim 13 st. Kiryat Gat, Israel

Telephone: 972-8-9150190 ; Fax: 972-8-9240091

[www.azmarketing.co.il](http://www.azmarketing.co.il)

**Further information obtainable from:** Product safety department.

**1.4 Emergency telephone number:** 972-8-9150190



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## **2: HAZARDS IDENTIFICATION**

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

**Classification according to Regulation (EC) No 1272/2008**



**GHS08 Human Health Hazzard**



**GHS07 Harmful**



**GHS09 Environmental Hazzard**

### **2.2 Label Elements**

#### **2.2.1 Labelling according to Regulation (EC) No 1272/2008**

*The product is classified and labelled according to the CLP regulation*

**Hazards Pictograms:** GHS07, GHS08, GHS09

**Signal Word:** Warning

**Hazard-determining components of labelling:**



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## **Hazard statements**

*H315 Causes skin irritation.*

*H317 May cause an allergic skin reaction.*

*H319 Causes serious eye irritation*

*H373 May cause damage to the lung through prolonged or repeated exposure*

*H411 Toxic to aquatic life with long lasting effects*

## **Precautionary statements**

### **Prevention:**

*P260 Do not breathe dust/fume/gas/mist/vapours/spray.*

*P261 Avoid breathing dust/fume/gas/mist/vapours/spray.*

*P264 Wash thoroughly after handling.*

*P271 Use only outdoors or in a well-ventilated area.*

*P272 Contaminated work clothing should not be allowed out of the workplace.*

*P280 Wear protective gloves / eye protection / face protection.*

*P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.*

*P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*

*P310 Immediately call a POISON CENTER/doctor.*

*P314 Get medical advice/attention if you feel unwell.*

*P321 Specific treatment (see on this label).*

### **Response:**

*P302+P352 IF ON SKIN: Wash with plenty of water.*

*P261+P304+P340+P312: Avoid breathing dust. IN CASE OF INHALATION OF DUST: get victim into the fresh air and keep still in a position comfortable for breathing if they feel unwell, contact a poison control centre or doctor.*

*P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*

*P321 Specific treatment.*

*P332+P313 If skin irritation occurs: Get medical advice/attention.*

*P333+P313 If skin irritation or rash occurs: Get medical advice/attention.*

*P337+P313 If eye irritation persists. Get medical advice/attention.*

*P362 Take off contaminated clothing and wash it before reuse.*

*P363 Wash contaminated clothing before reuse.*

*P391 Collect spillage.*

*P501 Dispose of contents/container in accordance with local/regional/national/international regulations.*

2.2.2 According to Directive 67/548/EEC & Directive 1999/45/EC



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## 2.3 Other hazards

### -Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Chemical characterisation: Mixtures

Chemical name	CAS №	Concentration, wt. %
4,4'-(1-methylethylidene)bisphenol polymer with (chloromethyl)oxirane	25068-38-6	20-30
Alkyl glycidyl ether	68609-97-2	1-5%
Quartz (SiO <sub>2</sub> )	14808-60-7	>60%
Ethylene Glycol	107-21-1	0.1-1%
Synthetic Amorphous Silicon Dioxide	112945-52-5	0.3-1%

### Additional information:

## 4: FIRST AID MEASURES:

### 4.1 Description of first aid measures

- **General Information:** Consult a physician. Show this safety data sheet to the doctor in attendance.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints
- **After skin contact:** Rinse and then wash skin with water and soap.
- **After eye contact:**  
First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then refer for medical attention.
- **After swallowing:** Do NOT induce vomiting. Refer for medical attention.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.



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#### · 4.3 Indication of any immediate medical attention and special treatment needed

*No further relevant information available.*

### 5: FIRE FIGHTING MEASURES

#### · 5.1 Extinguishing media

· **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

#### · 5.2 Special hazards arising from the substance or mixture

##### **Specific hazards:**

Hazardous decomposition products may be formed under fire conditions (see section 10).

#### · 5.3 Advice for firefighters

##### · **Protective equipment:**

##### **Special protective equipment for fire-fighters**

In the event of fire, wear self-contained breathing apparatus.

Use personal protective equipment.

*.No available information for special protective equipment for fire fighters*

### 6: ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

*Personal protection: particulate filter respirator adapted to the airborne concentration of the substance.*

*See Section 8*

· **6.2 Environmental precautions:** *Do not allow to enter sewers/ surface or ground water.*

· **6.3 Methods and material for containment and cleaning up:**

*Do not sweep. Use dry cleanup methods such as vacuum clean-up over vacuum extraction, which do not cause airborne dispersion.*

· **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.*

### 7.0 HANDLING AND STORAGE

#### - 7.1 Precautions for safe handling

*Avoid contact with skin and eyes. Avoid formation of dust and aerosols.*

*Provide appropriate exhaust ventilation at places where dust is formed.*

*For precautions see section 2.2.*

*No special precautions are necessary if used correctly.*

*Follow the recommendations as given under Section 8.*

· **Information about fire - and explosion protection:** *Portland cement is not flammable*

##### **Advice on safe handling:**

*For personal protection see section 8. Avoid contact with skin and eyes. Avoid inhalation of dust. Avoid exposure – obtain special instructions before use.*

##### **Advice on protection against fire and explosion:**

*Normal measures for preventive fire protection.*



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· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

· **Information about storage in one common storage facility:**

Requirements for storage areas and containers:

· **Further information about storage conditions:**

Advice on common storage:

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

## 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

·

· **8.1 Control parameters**

**Additional information:** The lists valid during the making were used as basis.

### 8.2 Exposure controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product

· **Personal protective equipment:**

· **General protective and hygienic measures:** Wash hands before breaks and at the end of work.

· **Respiratory protection:**

When a person is potentially exposed to dust levels above exposure limits, use appropriate respiratory protection. The type of respiratory protection should be adapted to the dust level

· **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



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has to be observed.

- **Eye protection:** Wear safety goggles.
- **Body protection:** Protective clothing

## 9: PHYSICAL AND CHEMICAL PROPERTIES

### · 9.1 Information on basic physical and chemical properties

#### General Information

##### Appearance

**Form:** Liquid  
**Colour:** Pale yellow  
**Odour:** Odorless  
· **Odour threshold:** Not determined

**pH-value:** 6-8

##### Change in condition

**Melting point/freezing point:** Undetermined.  
**Initial boiling point and boiling range:** > 204.4 °C  
· **Flash point:** 266.6 °C  
· **Flammability (solid, gas):** Not determined.  
· **Decomposition temperature:** Not determined.  
· **Auto-ignition temperature:** Product is not selfigniting.  
· **Explosive properties:** Product does not present an explosion hazard.  
· **Explosion limits:**  
**Lower:** Not determined.  
**Upper:** Not determined.  
· **Vapour pressure:**  $4.6 \times 10^{-8}$  Pa (at 25°C)  
· **Density:** 1.17 (Water = 1)  
· **Relative density** Not determined.  
· **Vapour density** Not applicable.  
· **Evaporation rate** Not applicable.  
· **Solubility in / Miscibility with water:** 6.9mg/L (at 20°C) - Insoluble  
· **Partition coefficient: n-octanol/water:** Not determined.  
· **Viscosity:** 11,500 - 13,500cps (25°C)  
**Dynamic:** Not applicable.  
**Kinematic:** Not applicable.  
· **9.2 Other information** No further relevant information available.

## 10 : STABILITY AND REACTIVITY



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### **10.1 Reactivity**

### **10.2 Chemical stability**

- This material is stable under recommended storage and handling conditions.

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **10.3 Possibility of hazardous reactions**

- Hazardous Polymerization will not occur.

· **10.4 Conditions to avoid**

- Avoid contact with incompatible materials and condition.

- Avoid : Accumulation of electrostatic charges, Heating, Flames and hot surfaces

· **10.5 Incompatible materials:**

- Not available

· **10.6 Hazardous decomposition products:**

- May emit flammable vapour, if involved in fire.



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## 11: TOXICOLOGICAL INFORMATION

- **11.1 Information on toxicological effects**
- Acute toxicity based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye damage.
- **Respiratory or skin sensitisation**  
May cause an allergic skin reaction.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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**  
May cause respiratory irritation.
- **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.

## 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.
- **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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.



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### 13: DISPOSAL CONSIDERATIONS

#### · 13.1 Waste treatment methods

##### · Recommendation

*Must not be disposed together with household garbage. Do not allow product to reach sewage system.*

##### · Uncleaned packaging:

· **Recommendation:** Disposal must be made according to official regulations.

### 14 : TRANSPORT INFORMATION

#### 14.1 UN-Number

*Portland cement is not covered by the international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID); no classification is required.*

*No special precautions are needed apart from those mentioned under Section 8.*

#### 14.2 UN proper shipping name

*Void*

#### · 14.3 Transport hazard class(es)

*Not applicable*

#### · 14.4 Packing group

*Not applicable*

#### · 14.5 Environmental hazards:

*Not applicable*

#### · 14.6 Special precautions for user

*Not applicable*

#### · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

*Not applicable.*

### 15 REGULATORY INFORMATION

#### · 15.1 Safety, health and environmental regulations/legislation specific for the substance or Mixture

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

*The product is classified and labelled according to the CLP regulation.*

##### · Hazard pictograms GHS07, GHS08, GHS09

· **Signal word:** Warning



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A. National and/or international regulatory information

**POPs Management Law**

- Not applicable

**Information of EU Classification**

**Classification**

- [4,4'-(1-methylethylidene)bisphenol polymer with (chloromethyl)oxirane] : Xi; R36/38 R43 N; R51-53

**Risk Phrases**

- [4,4'-(1-methylethylidene)bisphenol polymer with (chloromethyl)oxirane] : R36/38, R43, R51/53

**Safety Phrase**

- [4,4'-(1-methylethylidene)bisphenol polymer with (chloromethyl)oxirane] : S2, S28, S37/39, S61

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 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.*

· **Relevant phrases**

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H373 May cause damage to the lung through prolonged or repeated exposure

· **Department issuing SDS:** Product safety department.

· **Contact:**

Company: A.Z. MARKETING L.T.D.

Address: HaBonim 13 st. Kiryat Gat, Israel

Telephone: 972-8-9150190; Fax: 972-8-9240091

www.azmarketing.co.il/www.hartuv.com

· **Abbreviations and acronyms:**

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)*

*VOC: Volatile Organic Compounds (USA, EU)*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*Skin Irrit. 2: Skin corrosion/irritation – Category 2*

*Eye Dam. 1: Serious eye damage/eye irritation – Category 1*

*Skin Sens. 1: Skin sensitisation – Category 1*

*Skin Sens. 1B: Skin sensitisation – Category 1B*

*STOT SE 3: Specific target organ toxicity (single exposure) – Category 3*



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TRADE NAME : SAPIR 341 Hardener(Component B)

## 1: IDENTIFICATION OF THE SUBSTANCE\ PREPARATION AND OF THE COMPANY UNDERTAKING:

### *-1.1 Product identifier*

Trade name: SAPIR 341 Hardener (Component B)

Product type: Epoxy Resin

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

· **Sector of Use** For Industrial Use Only

*-Application of the substance / the mixture:*

Repair of concrete.

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

· **Manufacturer/Supplier:**

Company: A.Z. MARKETING L.T.D.

Address: HaBonim 13 st. Kiryat Gat, Israel

Telephone: 972-8-9150190 ; Fax: 972-8-9240091

[www.azmarketing.co.il](http://www.azmarketing.co.il)

**Further information obtainable from:** Product safety department.

**1.4 Emergency telephone number:** 972-8-9150190



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## **2: HAZARDS IDENTIFICATION**

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

**Classification according to Regulation (EC) No 1272/2008**



**GHS08 Human Health Hazzard**



**GHS07 Harmful**



**GHS09 Environmental Hazzard**



**GHS05 Corrosive**



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**GHS06 Toxic**

## **2.2 Label Elements**

### **2.2.1 Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation

**Hazards Pictograms:** GHS05, GHS06, GHS07, GHS08, GHS09

**Signal Word:** Warning, Danger

### **Hazard-determining components of labelling:**

#### **Hazard statements**

H302 Harmful if swallowed

H311 Toxic in contact with skin

H314 Causes severe skin burns and eye damage

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation

H335 May cause respiratory irritation

H373 May cause damage to the lung through prolonged or repeated exposure

H411 Toxic to aquatic life with long lasting effects

#### **Precautionary statements**

#### **Prevention:**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves / eye protection / face protection.

P284 Wear respiratory protection

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.



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*P314 Get medical advice/attention if you feel unwell.*

*P321 Specific treatment (see on this label).*

## **Response:**

*P302+P352 IF ON SKIN: Wash with plenty of 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.*

*P310 Immediately call a poison center or doctor*

*P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting*

*P332+P313 If skin irritation occurs: Get medical advice/attention.*

*P333+P313 If skin irritation or rash occurs: Get medical advice/attention.*

*P337+P313 If eye irritation persists. Get medical advice/attention.*

*P340 If inhaled: Remove person to fresh air and keep comfortable for Breathing*

*P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower*

*P362 Take off contaminated clothing and wash it before reuse.*

*P363 Wash contaminated clothing before reuse.*

*P391 Collect spillage.*

*P501 Dispose of contents/container in accordance with local/regional/national/international regulations.*

**Storage:** Store locked up, in tightly-closed original container. Store in area that is cool,dry,dark and well-ventilated. Do not re-use container.

**Disposal:** Dispose of contents/container in accordance with applicable regional, national, and local laws and regulations.

## **2.3 Other hazards**

### **-Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable



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## 3 COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Chemical characterisation: Mixtures

Chemical name	CAS №	Concentration, wt. %
Aliphatic Amine	Trade Secret	10-40%
Diethylenetriamine	111-40-0	2-8%
Quartz (SiO <sub>2</sub> )	14808-60-7	>50%
Synthetic Amorphous Silicon Dioxide	112945-52-5	0.3-1.5%

**Additional information:**

## 4: FIRST AID MEASURES:

### 4.1 Description of first aid measures

- **General Information:** Consult a physician. Show this safety data sheet to the doctor in attendance.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints
- **After skin contact:** Rinse and then wash skin with plenty water and soap. Seek immediate medical attention. Launder contaminated clothing and shoes before re-use
- **After eye contact:**  
First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then refer for medical attention.
- **After swallowing:** Do NOT induce vomiting. Refer for medical attention.
- **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.

## 5: FIRE FIGHTING MEASURES

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture**  
**Specific hazards:**  
Hazardous decomposition products may be formed under fire conditions (see section 10).
- **5.3 Advice for firefighters**



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· **Protective equipment:**

**Special protective equipment for fire-fighters**

In the event of fire, wear self-contained breathing apparatus.

Use personal protective equipment.

*.No available information for special protective equipment for fire fighters*

## 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

*Personal protection: particulate filter respirator adapted to the airborne concentration of the substance.*

*See Section 8*

· **6.2 Environmental precautions:** *Do not allow to enter sewers/ surface or ground water.*

· **6.3 Methods and material for containment and cleaning up:**

*Do not sweep. Use dry cleanup methods such as vacuum clean-up over vacuum extraction, which do not cause airborne dispersion.*

· **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.*

## 7.0 HANDLING AND STORAGE

### - 7.1 Precautions for safe handling

*Avoid contact with skin and eyes. Avoid formation of dust and aerosols.*

*Provide appropriate exhaust ventilation at places where dust is formed.*

*For precautions see section 2.2.*

*No special precautions are necessary if used correctly.*

*Follow the recommendations as given under Section 8.*

· **Information about fire - and explosion protection:** *Portland cement is not flammable*

#### **Advice on safe handling:**

*For personal protection see section 8. Avoid contact with skin and eyes. Avoid inhalation of dust. Avoid exposure – obtain special instructions before use.*

#### **Advice on protection against fire and explosion:**

*Normal measures for preventive fire protection.*

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

*Store in cool place. Keep container tightly closed in a dry and well-ventilated place.*

· **Information about storage in one common storage facility:**

· **Requirements for storage areas and containers:**

· **Further information about storage conditions:** *Advice on common storage:*

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



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## 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### · 8.1 Control parameters

**Additional information:** The lists valid during the making were used as basis.

### 8.2 Exposure controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product

- **Personal protective equipment:**

- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.

- **Respiratory protection:**

When a person is potentially exposed to dust levels above exposure limits, use appropriate respiratory protection. The type of respiratory protection should be adapted to the dust level

- **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:** Wear safety goggles.

- **Body protection:** Protective clothing

## 9: PHYSICAL AND CHEMICAL PROPERTIES

### · 9.1 Information on basic physical and chemical properties

#### General Information

#### Appearance



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<b>Form:</b>	Hardener
<b>Colour:</b>	Pale yellow
<b>Odour:</b>	Odorless
· <b>Odour threshold:</b>	Not determined
<b>pH-value:</b>	6-8
<b>Change in condition</b>	
<b>Melting point/freezing point:</b>	Undetermined.
<b>Initial boiling point and boiling range:</b>	> 204.4 °C
· <b>Flash point:</b>	266.6 °C
· <b>Flammability (solid, gas):</b>	Not determined.
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto-ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
· <b>Vapour pressure:</b>	4.6 x 10 <sup>-8</sup> Pa (at 25°C)
· <b>Density:</b>	2.6 (Water = 1)
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not applicable.
· <b>Evaporation rate</b>	Not applicable.
· <b>Solubility in / Miscibility with water:</b>	6.9mg/L (at 20°C) - Insoluble
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	500-2000 cps (25°C)
<b>Dynamic:</b>	Not applicable.
<b>Kinematic:</b>	Not applicable.
· <b>9.2 Other information</b>	No further relevant information available.

## 10 : STABILITY AND REACTIVITY

### 10.1 Reactivity

### 10.2 Chemical stability

- This material is stable under recommended storage and handling conditions.

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **10.3 Possibility of hazardous reactions**

- Hazardous Polymerization will not occur.

· **10.4 Conditions to avoid**

- Avoid contact with incompatible materials and condition.

- Avoid : Accumulation of electrostatic charges, Heating, Flames and hot surfaces



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· **10.5 Incompatible materials:**

- Not available

· **10.6 Hazardous decomposition products:**

- May emit flammable vapour, if involved in fire.



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## 11: TOXICOLOGICAL INFORMATION

- **11.1 Information on toxicological effects**
- Acute toxicity based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye damage.
- **Respiratory or skin sensitisation**  
May cause an allergic skin reaction.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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**  
May cause respiratory irritation.
- **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.

## 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.
- **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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.



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## 13:DISPOSAL CONSIDERATIONS

### · 13.1 Waste treatment methods

#### · Recommendation

*Must not be disposed together with household garbage. Do not allow product to reach sewage system.*

#### · Uncleaned packaging:

· **Recommendation:** Disposal must be made according to official regulations.

## 14 :TRANSPORT INFORMATION

### 14.1 UN-Number

*Portland cement is not covered by the international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID); no classification is required.*

*No special precautions are needed apart from those mentioned under Section 8.*

### 14.2 UN proper shipping name

*Void*

### · 14.3 Transport hazard class(es)

*Not applicable*

### · 14.4 Packing group

*Not applicable*

### · 14.5 Environmental hazards:

*Not applicable*

### · 14.6 Special precautions for user

*Not applicable*

### · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

*Not applicable.*

## 15 REGULATORY INFORMATION

### · 15.1 Safety, health and environmental regulations/legislation specific for the substance or Mixture

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

*The product is classified and labelled according to the CLP regulation.*

#### · Hazard pictograms GHS06, GHS07, GHS08, GHS09

#### · Signal word: Warning



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### 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.*

· **Relevant phrases**

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H373 May cause damage to the lung through prolonged or repeated exposure

· **Department issuing SDS:** Product safety department.

· **Contact:**

Company: A.Z. MARKETING L.T.D.

Address: HaBonim 13 st. Kiryat Gat, Israel

Telephone: 972-8-9150190; Fax: 972-8-9240091

www.azmarketing.co.ilwww.hartuv.com

· **Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3



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