

# SAFETY DATA SHEET – SET

## Dura Plate 100 Epoxy Mortar Type EM Kit

Product ID numbers: EM-KIT640

Date Compiled: August 24, 2017



### Supplier/Manufacturer:

**American Polywater Corporation**

11222 - 60th Street North  
Stillwater, MN 55082 USA  
Tel: 1-651-430-2270  
Email: sds@polywater.com

### Emergency telephone numbers

INFOTRAC 1-352-323-3500 (USA)

This product is a kit or a multi-part product with independent components. An SDS for each component is included. Do not separate SDSs.

### Contains

EM-A DuraPlate Part A SDS  
EM-B DuraPlate Part B SDS  
EM-C DuraPlate Part C (Filler) SDS

SDSs are classified according to USA OSHA 29 CFR 1910.1200 (2012) and Canada HPR (SOR/2015-17; WHMIS 2015).

Each Kit may or may not contain all SDS components

The information and recommendations contained herein are believed to be reliable. However, the supplier makes no warranties, express or implied, concerning the use of this product. The buyer must determine conditions of safe usage and assumes all risk and liability in handling this product.

# SAFETY DATA SHEET

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

### 1.1 Product identifier

**Product Name: Dura-Plate 100  
Epoxy Mortar Type EM (Part A, Resin)**

Product ID numbers: EM-KIT640

### 1.2 Relevant identified uses of the mixture and uses advised against

Identified uses: Acid resistant grout, Part A of 3-Part Sealant/Coating

List of advices against: Not applicable.

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

#### Supplier/Manufacturer:

#### American Polywater Corporation

11222 - 60th Street North  
Stillwater, MN 55082 USA  
Tel: 1-651-430-2270  
Email: sds@polywater.com

### 1.4 Emergency telephone numbers

INFOTRAC: 1-800-535-5053 (USA) 1-352-323-3500 (INT'L)

## 2. Hazards Identification

### 2.1 Classification of the substance or mixture

Classification according to USA OSHA 29 CFR 1910.1200 (2012) and Canada HPR (SOR/2015-17; WHMIS 2015).

Skin Irrit 2 H315

Skin Sens 1 H317

Eye Irrit 2A H319

### 2.2 Label elements

Contains: Phenol-Formaldehyde Polymer Glycidyl Ether



#### Pictograms:

Signal word: Warning

#### Hazard Statements:

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.

#### Precautionary Statements:

P264 Wash hands thoroughly after handling.  
P280 Wear protective gloves, protective clothing and eye protection.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P333 + P313 If skin irritation or rash occurs: Get medical attention.  
P305 + P351 + IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if

|             |   |
|-------------|---|
| P338        | present and easy to do. Continue rinsing.                 |
| P337 + P313 | If eye irritation persists: Get medical attention.        |
| P362 + P364 | Take off contaminated clothing.                           |
| P501        | Dispose of container in accordance with local regulations |

**2.3 Other hazards:** No information available.

### 3. Composition/Information on Ingredients

| <u>Component</u>            | <u>CAS #</u> | <u>EC #</u> | <u>Wt. %</u> | <u>GHS/CLP Classification</u>           |
|-----------------------------|--------------|-------------|--------------|---|
| Phenol-Formaldehyde Polymer | 28064-14-4   | --          | 75 - 90      | Skin Irrit 2, H315                      |
| Glycidyl Ether              |              |             |              | Skin Sens 1, H317<br>Eye Irrit 2A, H319 |

### 4. First Aid Measures

#### 4.1 Description of first aid measures

|                                |   |
|--------------------------------|---|
| <b>Eye Contact:</b>            | Immediately flush eyes with large quantity of water for 15 minutes. Seek medical attention.   |
| <b>Skin Contact:</b>           | Remove contaminated clothing; flush skin thoroughly with soap and water for at least 15 minutes. If irritation or allergic reaction occurs, seek medical attention. |
| <b>Inhalation (Breathing):</b> | If irritation of nose or throat develops, move to fresh air. If irritation persists, seek medical attention.  |
| <b>Ingestion (Swallowing):</b> | No emergency medical treatment necessary  |

#### 4.2 Most important symptoms and effects, both acute and delayed

Refer to Section 11 for more information.

#### 4.3 Indication of immediate medical attention and special treatment needed.

No information available.

### 5. Firefighting Measures

#### 5.1 Extinguishing media:

Water fog or fine spray, dry chemical carbon dioxide, or foam.

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

Dense smoke is emitted when burned without sufficient oxygen.

#### Hazardous decomposition and by-products:

CO<sub>2</sub>, CO, phenolics. May contain other combustion products of varying composition which may be toxic or irritating.

#### 5.3 Advice for firefighters

Wear full protective clothing, including self-contained, positive pressure or pressure-demand breathing apparatus. Sealed container can build up pressure when exposed to high heat. Water fog may be used to cool fire exposed container to prevent pressure build-up and possible auto-ignition or rupture. Direct water stream may spread fire.

### 6. Accidental Release Measures

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

Isolate area. Use appropriate safety equipment.

#### 6.2 Environmental precautions:

Avoid release to the environment. Prevent spill from entering drainage/sewer systems, waterways, basements or confined areas. Refer to Section 12 for more information.

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

Absorb spill with sand or absorbents. Residual resin may be removed using steam or hot soapy water. Collect as much of the spilled material as possible using non-sparking tools and transfer to a container. Seal the container.

Residual material can be removed with solvent.

**6.4 Reference to other sections:**

Refer to Sections 4, 5, 8, and 13 for more information.

**7. Handling and Storage**

**7.1 Precautions for safe handling**

Avoid personal contact with the product. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. Wash thoroughly after handling. Wash contaminated clothing before reuse. For industrial or professional use only.

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

Keep containers cool, dry, and away from sources of ignition. Keep containers and cartridges capped and sealed. Protect from freezing. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

**7.3 Specific end uses**

See technical data sheet on this product for further information.

**8. Exposure Controls / Personal Protection**

**8.1 Control parameters**

**Exposure limits and recommendations:**

Contains no components with established Occupational Exposure Limit (OEL) values.

A Derived No Effect Level (DNEL) of 12.25 mg/m<sup>3</sup> has been established for Acute Inhalation.

**8.2 Exposure controls**

**Respiratory protection:**

Normal ventilation is adequate. If exposure exceeds recommended limits, respirator protection is recommended. Wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced. Use a respirator or gas mask with cartridges for organic vapors (NIOSH or CE approved) with particulate pre-filter, P100 or AP2.

**Protective gloves:**

The use of chemically resistant gloves is recommended to prevent skin contact. Suitable materials include nitrile (included in most kits), neoprene, ethyl vinyl alcohol (EVAL), PVC. Use a glove with a protection class of 1 or higher (breakthrough time greater than 10 minutes according to EN 374). NOTE: The selection of specific glove for the application should account for other chemicals in the environment, physical requirements and potential user reaction to the glove material.

**Eye protection:**

Safety glasses recommended.

**Other protective equipment:**

Use protective cream if skin contact is likely. Remove and wash contaminated clothing before reuse. Discard contaminated shoes.

**9. Physical and Chemical**

**9.1 Information of basic physical and chemical properties**

|                                    |                        |
|------------------------------------|------------------------|
| <b>Appearance:</b>                 | Thick white paste.     |
| <b>Odor threshold:</b>             | Not available          |
| <b>pH:</b>                         | Does not apply         |
| <b>Freezing point:</b>             | Not available          |
| <b>Boiling point:</b>              | Not available          |
| <b>Flash point:</b>                | >302°F / >150°C (PMCC) |
| <b>Evaporation rate:</b>           | Not available          |
| <b>Flammability (solid, gas):</b>  | Not available          |
| <b>Upper/lower flammability or</b> | Not available          |

**explosive limits:**

|  |               |
|--|---------------|
| <b>Vapor pressure:</b>                         | Not available |
| <b>Vapor density (Air = 1):</b>                | >1            |
| <b>Specific gravity (H<sub>2</sub>O = 1):</b>  | 1.18 @ 25°C   |
| <b>Solubility in water:</b>                    | Not available |
| <b>Partition coefficient: n-octanol/water:</b> | Not available |
| <b>Auto-ignition temperature:</b>              | Not available |
| <b>Decomposition temperature:</b>              | Not available |
| <b>Viscosity:</b>                              | Not available |

**9.2 Other Information**

|                              |       |
|------------------------------|-------|
| <b>Volatiles (Weight %):</b> | 0%    |
| <b>VOC Content:</b>          | 0 g/l |

**10. Stability and Reactivity**

**10.1 Reactivity:**

No dangerous reaction known under conditions of normal use.

**10.2 Chemical stability:**

Stable

**10.3 Possibility of hazardous reactions:**

Hazardous reactions will not occur under normal transport or storage conditions.

**10.4 Conditions to avoid:**

Avoid high temperatures above 300 °C (572 °F). Decomposition can occur above 350 °C (662 °F). Generation of gas during decomposition can cause pressure to build in closed systems.

**10.5 Incompatible materials :**

Strong acids or bases (especially primary or secondary aliphatic amines), strong oxidizing agents.

**10.6 Hazardous decomposition products:**

CO<sub>2</sub>, CO, phenolics and other organic substances may be formed during combustion or elevated temperature degradation.

**11. Toxicological Information**

**11.1 Information on toxicological effects:**

**Acute toxicity**

**Eye contact:**

Direct eye contact with material or vapors may cause eye irritation.

**Skin contact:**

This product has moderate skin irritation potential. Persons with pre-existing skin disorders may be more susceptible to skin irritation from this material. Prolonged or repeated skin exposure may cause skin sensitization.

**Irritation and Sensitization Potential:**

May cause allergic skin reaction.

**Inhalation (Breathing):**

Low vapor pressure makes this route of exposure unlikely.

**Ingestion:**

Ingestion may cause irritation of the gastrointestinal tract.

**Toxicity to Animals:**

No information available.

**Aspiration Hazard:**

No aspiration hazard expected.

**Chronic Exposure:**

**Reproductive Toxicity:** Not available.  
**Mutagenicity:** Not available.  
**Teratogenicity:** Not available.  
**Specific Target Organ Toxicity (STOT)** Not available.  
**Toxicologically Synergistic Products:** Not available.  
**Carcinogenic Status:** This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC, or OSHA, nor have any of its components.

**12. Ecological Information**

**12.1 Toxicity:**

**Aquatic Toxicity:** May be toxic to aquatic organisms.

**12.2 Persistence and degradability:** Based on stringent OECD test guidelines, this material cannot be considered readily biodegradable. Biodegradability depends on environmental conditions.

**12.3 Bioaccumulation potential:** Bioconcentration potential is high.

**12.4 Mobility in soil:** Potential for mobility in soil is low..

**12.5 Results of PBT and vPvB Assessment:** This product is not, nor does it contain a substance that is a PBT or vPvB.

**12.6 Other adverse effects:** None known.

**13. Disposal Considerations**

Do not dump into sewer, on ground or into any body of water. Dispose of product in accordance with National and Local Regulations.

**14. Transport Information**

**DOT:** Not Regulated  
**UN Number:** 3077  
**UN Proper Shipping Name:** Environmentally hazardous substance, solid, N.O.S. (Bisphenol A)  
**Class and Subsidiary Risk:** 9  
**Packing Group:** III  
**ICAO/IATA-DGR:** Not Regulated (See Special Provision A197)  
**IMDG:** Not Regulated (See IMDG Code 2.10.2.7)  
**ADR/RID:** 9  
**Other information** For surface shipments within the United States: Not regulated.

**15. Regulatory Information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**USA Federal and State**

All components are listed on the TSCA inventory.

|   |                            |                              |                          |                              |                              |
|---|----------------------------|------------------------------|--------------------------|------------------------------|------------------------------|
| <b>Hazard Categories for SARA Section 311/312 Reporting</b> | <u><b>Acute</b></u><br>Yes | <u><b>Chronic</b></u><br>Yes | <u><b>Fire</b></u><br>No | <u><b>Pressure</b></u><br>No | <u><b>Reactive</b></u><br>No |
|---|----------------------------|------------------------------|--------------------------|------------------------------|------------------------------|

|   |   |                |  |
|---|---|----------------|--|
| <b>Components</b>   | <b>CERCLA/SARA Sec 302<br/>Hazardous Substance RQ</b> | <b>EHS TPQ</b> | <b>SARA Sec. 313<br/>Toxic Release</b> |
| Components are not affected by these Superfund regulations. |   |                |  |

**NFPA Ratings:**

|             |   |
|-------------|---|
| Health:     | 2 |
| Fire:       | 1 |
| Reactivity: | 0 |

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel during spill, fire or similar emergencies. Hazard ratings are based on physical and toxic properties of combustion or decomposition.

**European Union**

Product complies with the communication requirements of REACH Regulation (EC) No. 1907/2006. All components are listed on the European Inventory of Existing Chemical Substances (EINECS). Contains no substance on the REACH candidate list ≥ 0.1% SCL. Does not contain notified substances from the ELINCS List, Directive 92/32/EEC. Contains no REACH substances with Annex XVII restrictions.

**Canada**

All components are listed on the DSL inventory. This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**Australia**

All components are listed on the AICS. Product is classified as hazardous according to criteria of NOHSC Australia.

**15.2 Chemical Safety Assessment**

No chemical safety assessment has been carried out for the mixture by the supplier.

**16. Other Information**

**Abbreviations and acronyms:**

- OSHA = Occupational Safety and Health Administration
- CLP = Classification, Labeling and Packaging Regulation
- STOT = Specific Target Organ Toxicity
- LD<sub>50</sub> = Median Lethal Dose
- DNEL = Derived No Effect Level
- ACGIH = American Conference of Governmental Industrial Hygienists
- TSCA = Toxic Substances Control Act (USA)
- DSL = Domestic Substances List (Canada)
- AICS = Australian Inventory of Chemical Substances

**Mixture classification according to Regulation (EC) No 1272/2008:**

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.

**Classification Procedure**

- Calculation method.
- Calculation method.
- Calculation method.

|                               |  |
|-------------------------------|--|
| <b>Revision Date:</b>         | August 7, 2017   |
| <b>Revision Number:</b>       | 5 NA   |
| <b>Supersedes:</b>            | January 2, 2015  |
| <b>Other:</b>                 | Not Applicable   |
| <b>Indication of Changes:</b> | Sections 1, 2, 16 updated, additional precautionary statements and format updates. Written in accordance with the provisions of OSHA 1910.1200 App D (2012) and Canada HPR (SOR/2015-17)(WHMIS 2015). (GHS format) |

**Product Name:** Dura-Plate 100 Epoxy Mortar Type EM (Part A)

**Revision Date:** August 7, 2017

The information and recommendations contained herein are believed to be reliable. However, the supplier makes no warranties, express or implied, concerning the use of this product. The buyer must determine conditions of safe usage and assumes all risk and liability in handling this product.



# SAFETY DATA SHEET

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

### 1.1 Product identifier

**Product Name: Dura-Plate 100  
Epoxy Mortar Type EM (Part B – Hardener)**

**Product ID numbers:** EM-KIT640, EM-XXX (Where XXX is the package code)

### 1.2 Relevant identified uses of the mixture and uses advised against

**Identified uses:** Acid resistant grout, Part B of 3-Part Sealant/Coating

**List of advices against:** Not applicable.

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

**Supplier/Manufacturer:**

**American Polywater Corporation**

11222 - 60th Street North  
Stillwater, MN 55082 USA  
Tel: 1-651-430-2270  
Email: sds@polywater.com

### 1.4 Emergency telephone numbers

INFOTRAC: 1-800-535-5053 (USA) 1-352-323-3500 (INT'L)

## 2. Hazards Identification

### 2.1 Classification of the substance or mixture

**Classification according to USA OSHA 29 CFR 1910.1200 (2012) and Canada HPR (SOR/2015-17; WHMIS 2015).**

Skin Irritation, Cat 2, H315  
Eye Irritation, Cat 2, H320  
STOT RE (oral), Cat 2, H373

### 2.2 Label elements

**Contains:** Polyamide resin, Benzyl alcohol, Mixed Cycloaliphatic amines, Triethylenetetramine, Tertiary amine



**Pictograms:**

**Signal word:** Warning

**Hazard Statements:**

H315 Causes skin irritation.  
H320 Causes eye irritation.  
H373 May cause damage to the kidneys through prolonged or repeated exposure.

**Precautionary Statements:**

P264 Wash thoroughly after handling.  
P280 Wear protective gloves, protective clothing and eye protection.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P332 + P313 If skin irritation occurs: Get medical attention..  
P362 + P364 Take off contaminated clothing and wash it before reuse.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
 P337 + P313 If eye irritation persists. Get medical attention.  
 P501 Dispose of contents in accordance with local regulations.

**2.3 Other hazards:** No information available.

**3. Composition/Information on Ingredients**

| <u>Component</u>            | <u>CAS #</u> | <u>EC #</u> | <u>Wt. %</u> | <u>GHS/CLP Classification</u>   |
|-----------------------------|--------------|-------------|--------------|---|
| Polyamide resin             | Proprietary  | Proprietary | 30 - 60      |   |
| Benzyl alcohol              | 100-51-6     | 202-859-9   | 15 - 40      | Acute Tox 4, H302, H332   |
| Mixed Cycloaliphatic amines | Proprietary  | Proprietary | 10 - 30      |   |
| Triethylenetetramine        | 112-24-3     | 203-950-6   | < 5          | Acute Tox. 4, H312<br>Skin Corr. 1AB, H314<br>Skin Sens. 1 H317<br>Aquatic Chronic 3 H412 |
| Tertiary amine              | Proprietary  | Proprietary | < 10         |   |
| Organic acid                | Proprietary  | Proprietary | 0.5 – 1.5    |   |

**4. First Aid Measures**

**4.1 Description of first aid measures**

**Eye Contact:** Immediately flush eyes with large quantity of water for 15 minutes. Seek medical attention.  
**Skin Contact:** Remove contaminated clothing; flush skin thoroughly with soap and water for at least 15 minutes. If irritation or allergic reaction occurs, seek medical attention.  
**Inhalation (Breathing):** If irritation of nose or throat develops, move to fresh air. If irritation persists, seek medical attention.  
**Ingestion (Swallowing):** Wash out mouth with water. Do not induce vomiting. If victim is unconscious, place on the left side with head down. Never give anything by mouth to an unconscious person. Do not leave victim unattended. Seek medical attention.

**4.2 Most important symptoms and effects, both acute and delayed**

Refer to Section 11 for more information.

**4.3 Indication of immediate medical attention and special treatment needed.**

No information available.

**5. Firefighting Measures**

**5.1 Extinguishing media:**

Water fog or fine spray, dry chemical carbon dioxide, or foam.

**5.2 Special hazards arising from the substance or mixture**

Dense smoke is emitted when burned without sufficient oxygen.

**Hazardous decomposition and by-products:**

May generate ammonia gas. Oxides of carbon, oxides of sulfur, oxides of nitrogen. May contain other combustion products of varying composition which may be toxic or irritating.

**5.3 Advice for firefighters**

Wear full protective clothing, including self-contained, positive pressure or pressure-demand breathing apparatus. Sealed container can build up pressure when exposed to high heat. Water fog may be used to cool fire exposed container to prevent pressure build-up and possible auto-ignition or rupture. Direct water stream may spread fire.

## 6. Accidental Release Measures

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

Isolate area. Use appropriate safety equipment.

### 6.2 Environmental precautions:

Avoid release to the environment. Refer to Section 12 for more information.

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

Absorb spill with sand or absorbents. Residual resin may be removed using steam or hot soapy water. Collect as much of the spilled material as possible using non-sparking tools and transfer to a container. Seal the container. Residual material can be removed with solvent.

### 6.4 Reference to other sections:

Refer to Sections 4, 5, 8, and 13 for more information.

## 7. Handling and Storage

### 7.1 Precautions for safe handling

Avoid contact with skin, eyes, or clothing. Uncured Hardener, Part B is a skin irritant. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. Wash thoroughly after handling. Wash contaminated clothing before reuse. For industrial or professional use only.

### 7.2 Conditions for safe storage, including incompatibilities

Keep containers cool, dry, and away from sources of ignition. Keep containers and cartridges capped and sealed. Protect from freezing. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

### 7.3 Specific end uses

See technical data sheet on this product for further information.

## 8. Exposure Controls / Personal Protection

### 8.1 Control parameters

#### Exposure limits and recommendations:

Contains no components with established Occupational Exposure Limit (OEL) values.

### 8.2 Exposure controls

#### Respiratory protection:

Normal ventilation is adequate. If exposure exceeds recommended limits, respirator protection is recommended. Use a respirator or gas mask with cartridges for organic vapors (NIOSH-approved) or use supplied air equipment.

#### Protective gloves:

The use of chemically resistant gloves is recommended to prevent skin contact. Suitable materials include nitrile, neoprene, butyl rubber, PVC.

#### Eye protection:

Safety glasses should be worn.

#### Other protective equipment:

Use protective cream if skin contact is likely. Remove and wash contaminated clothing before reuse. Discard contaminated shoes.

## 9. Physical and Chemical

### 9.1 Information of basic physical and chemical properties

|                        |               |
|------------------------|---------------|
| <b>Appearance:</b>     | Tan paste.    |
| <b>Odor threshold:</b> | Not available |
| <b>pH:</b>             | 10            |
| <b>Freezing point:</b> | Not available |

|  |                          |
|--|--------------------------|
| <b>Boiling point:</b>                                | Not available            |
| <b>Flash point:</b>                                  | 243°F / 117°C            |
| <b>Evaporation rate:</b>                             | <1 (n-butyl acetate = 1) |
| <b>Flammability (solid, gas):</b>                    | Not available            |
| <b>Upper/lower flammability or explosive limits:</b> | Not available            |
| <b>Vapor pressure:</b>                               | 3 mm Hg @ 20°C           |
| <b>Vapor density (Air = 1):</b>                      | Not available            |
| <b>Specific gravity (H<sub>2</sub>O = 1):</b>        | 1.03 @ 20°C              |
| <b>Solubility in water:</b>                          | Slightly soluble.        |
| <b>Partition coefficient: n-octanol/water:</b>       | Not available            |
| <b>Auto-ignition temperature:</b>                    | Not available            |
| <b>Decomposition temperature:</b>                    | Not available            |
| <b>Viscosity:</b>                                    | Not available            |

**9.2 Other Information**

|                              |       |
|------------------------------|-------|
| <b>Volatiles (Weight %):</b> | 0%    |
| <b>VOC Content:</b>          | 0 g/l |

**10. Stability and Reactivity**

**10.1 Reactivity:**

No dangerous reaction known under conditions of normal use.

**10.2 Chemical stability:**

Stable

**10.3 Possibility of hazardous reactions:**

Hazardous reactions will not occur under normal transport or storage conditions.

**10.4 Conditions to avoid:**

Avoid extreme heat and open flame.

**10.5 Incompatible materials :**

Avoid nitrous acid and other nitrosating agents. N-Nitrosamines, many of which are known to be potent carcinogens may be formed when the product comes in contact with nitrous acid, nitrites or atmospheres with high nitrous oxide concentrations. Avoid reactive metals, organic or mineral acids, sodium hypochlorite and peroxides.

**10.6 Hazardous decomposition products:**

Oxides of carbon, oxides of sulfur, oxides of nitrogen and other organic substances may be formed during combustion or elevated temperature degradation.

**11. Toxicological Information**

**11.1 Information on toxicological effects:**

**Acute toxicity**

**Eye contact:**

Causes eye irritation. Corneal edema may give rise to a perception of "blue haze" or "fog" around lights. Exposed individuals may see rings around bright lights. This effect is temporary and has no known residual effect. Product vapor can cause glaucopsia (corneal edema) when absorbed into the tissue of the eye from the atmosphere.

**Skin contact:**

May cause severe skin irritation, especially on prolonged contact. Prolonged or repeated skin exposure may cause skin sensitization.

**Irritation and Sensitization Potential:**

This product may be a sensitizer.

**Inhalation (Breathing):**

Low vapor pressure makes this route of exposure unlikely. May cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties.

**Ingestion:**

Material is considered slightly toxic. Ingestion may cause irritation of the gastrointestinal tract, nausea, vomiting, and diarrhea.

**Toxicity to Animals:**

|                             |                                  |                                       |
|-----------------------------|----------------------------------|---------------------------------------|
| Polyamide resin             | LD <sub>50</sub> (oral rat)      | >2,000 mg/kg                          |
| Benzyl alcohol              | LC <sub>50</sub> (inhl rat)      | >4.178 mg/l (OECD Test Guideline 403) |
|                             | LD <sub>50</sub> (dermal rabbit) | 2,000 mg/kg                           |
| Mixed cycloaliphatic amines | LD <sub>50</sub> (dermal rabbit) | >1,000 mg/kg                          |
| Triethylenetetramine        | LD <sub>50</sub> (oral rat)      | 2,780 mg/kg                           |
|                             | LD <sub>50</sub> (dermal rabbit) | 550 mg/kg                             |
| Tertiary amine              | LD <sub>50</sub> (dermal rabbit) | 1,242 mg/kg                           |

**Aspiration Hazard:**

No aspiration hazard expected.

**Chronic Exposure:**

**Reproductive Toxicity:** Not available.

**Mutagenicity:** Not available.

**Teratogenicity:** Not available.

**Specific Target Organ Toxicity (STOT)** Not available.

**Toxicologically Synergistic Products:** Not available.

**Carcinogenic Status:** This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC, or OSHA, nor have any of its components.

**12. Ecological Information**

**12.1 Aquatic Toxicity:**

|                |   |          |
|----------------|---|----------|
| Benzyl alcohol | 96 h LC <sub>50</sub> Fathead Minnow    | 460 mg/l |
|                | 96 h LC <sub>50</sub> Bluegill sunfish: | 10 mg/l  |
|                | 72 h LC <sub>50</sub> Algae             | 700 mg/l |

**12.2 Persistence and degradability:**

Not available.

**12.3 Bioaccumulation potential:**

Benzyl alcohol – low bioaccumulation potential

**12.4 Mobility in soil:**

Not available.

**12.5 Results of PBT and vPvB Assessment:**

This product is not, nor does it contain a substance that is a PBT or vPvB.

**12.6 Other adverse effects:** None known.

**13. Disposal Considerations**

Do not dump into sewer, on ground or into any body of water. Dispose of product in accordance with National and Local Regulations.

**14. Transport Information**

**DOT:** Not Regulated

**UN Number:** Not Listed

**UN Proper Shipping Name:** Not Applicable  
**Class and Subsidiary Risk:** Not Applicable  
**Packing Group:** Not Applicable  
**ICAO/IATA-DGR:** Not Regulated  
**IMDG:** Not Regulated  
**ADR/RID:** Not Regulated

**15. Regulatory Information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**USA Federal and State**

All components are listed on the TSCA inventory.

|   |                    |                       |                   |                       |                       |
|---|--------------------|-----------------------|-------------------|-----------------------|-----------------------|
| <b>Hazard Categories for SARA Section 311/312 Reporting</b> | <u>Acute</u><br>No | <u>Chronic</u><br>Yes | <u>Fire</u><br>No | <u>Pressure</u><br>No | <u>Reactive</u><br>No |
|---|--------------------|-----------------------|-------------------|-----------------------|-----------------------|

|                   |   |                |                                    |
|-------------------|---|----------------|------------------------------------|
| <u>Components</u> | <u>CERCLA/SARA Sec 302 Hazardous Substance RQ</u> | <u>EHS TPQ</u> | <u>SARA Sec. 313 Toxic Release</u> |
|-------------------|---|----------------|------------------------------------|

Components are not affected by these Superfund regulations.

**NFPA Ratings:**

|             |   |
|-------------|---|
| Health:     | 2 |
| Fire:       | 1 |
| Reactivity: | 0 |

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel during spill, fire or similar emergencies. Hazard ratings are based on physical and toxic properties of combustion or decomposition.

**European Union**

Product complies with the communication requirements of REACH Regulation (EC) No. 1907/2006. All components are listed on the European Inventory of Existing Chemical Substances (EINECS). Contains no substance on the REACH candidate list  $\geq$  0.1% SCL. Does not contain notified substances from the ELINCS List, Directive 92/32/EEC. Contains no REACH substances with Annex XVII restrictions.

**Canada**

All components are listed on the DSL inventory.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**Australia**

All components are listed on the AICS.

Product is classified as hazardous according to criteria of NOHSC Australia.

**15.2 Chemical Safety Assessment**

No chemical safety assessment has been carried out for the mixture by the supplier.

**16. Other Information**

**Abbreviations and acronyms:**

OSHA = Occupational Safety and Health Administration  
 CLP = Classification, Labeling and Packaging Regulation  
 STOT = Specific Target Organ Toxicity  
 LD<sub>50</sub> = Median Lethal Dose  
 DNEL = Derived No Effect Level  
 ACGIH = American Conference of Governmental Industrial Hygienists  
 TSCA = Toxic Substances Control Act (USA)  
 DSL = Domestic Substances List (Canada)

**Product Name:** Dura-Plate 100 Epoxy Mortar Type EM

**Revision Date:** August 22, 2017

AICS = Australian Inventory of Chemical Substances

**Mixture classification according to Regulation (EC) No 1272/2008:**

H315 Causes skin irritation.  
H320 Causes eye irritation.  
H373 May cause damage to organs

**Classification Procedure**

Calculation method.  
Calculation method.  
Calculation method.

**Revision Date:** August 22, 2017

**Revision Number:** 5 NA

**Supersedes:** January 2, 2015

**Other:** Not Applicable

**Indication of Changes:** Sections 1, 2, 16 updated, reviewed precaution statements, format updates.  
Written in accordance with the provisions of OSHA 1910.1200 App D (2012) and  
Canada HPR (SOR/2015-17)(WHMIS 2015). (GHS format)

The information and recommendations contained herein are believed to be reliable. However, the supplier makes no warranties, express or implied, concerning the use of this product. The buyer must determine conditions of safe usage and assumes all risk and liability in handling this product.

# SAFETY DATA SHEET

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

### 1.1 Product identifier

**Product Name: Dura-Plate 100  
Epoxy Mortar Type EM (Part C – Filler)**

Product ID numbers: EM-KIT640

### 1.2 Relevant identified uses of the mixture and uses advised against

**Identified uses:** Acid resistant grout, Part C of 3-Part Sealant/Coating

**List of advices against:** Not applicable.

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

#### Supplier/Manufacturer:

#### American Polywater Corporation

11222 - 60th Street North  
Stillwater, MN 55082 USA  
Tel: 1-651-430-2270  
Email: sds@polywater.com

#### Polywater Europe BV

Zuidhaven 9-11 Unit B2  
4761 CR Zevenbergen  
Netherlands  
Tel: +31 (0)10 2330578  
Email: sds@ polywater.com

### 1.4 Emergency telephone numbers

INFOTRAC: 1-800-535-5053 (USA) 1-352-323-3500 (INT'L)

## 2. Hazards Identification

### 2.1 Classification of the substance or mixture

**Classification according to OSHA 29 CFR 1910.1200.**

This product contains no reportable hazardous components according to US Federal regulations.

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

This product is not classified as dangerous according to EC criteria.

### 2.2 Label elements

**Pictograms:** None required.

**Hazard Statements:** None required.

**2.3 Other hazards:** No information available.

## 3. Composition/Information on Ingredients

| <u>Component</u>           | <u>CAS #</u> | <u>EC #</u> | <u>Wt. %</u> | <u>GHS/CLP Classification</u> |
|----------------------------|--------------|-------------|--------------|-------------------------------|
| Silica, Crystalline Quartz | 14808-60-7   | 238-878-4   | 75 – 100     | --                            |

## 4. First Aid Measures

### 4.1 Description of first aid measures

**Eye Contact:** Flush eyes with a large quantity of water for 15 minutes. If irritation continues, seek medical attention.

**Skin Contact:** If skin becomes irritated, wash area thoroughly with soap and water. If irritation continues, seek medical attention.

**Inhalation (Breathing):** If irritation of nose or throat develops, move to fresh air. If irritation persists, seek medical attention.

**Ingestion (Swallowing):** Drink one or two glasses of milk or water. Do not induce vomiting. If victim is unconscious, place on the left side with head down. Never give anything by mouth to an unconscious person. Do not leave victim unattended. Seek medical attention.



**4.2 Most important symptoms and effects, both acute and delayed**

Aside from information above, no additional symptoms and effects are anticipated.

**4.3 Indication of immediate medical attention and special treatment needed.**

No information available.

**5. Firefighting Measures**

**5.1 Extinguishing media:**

Does not apply.

**5.2 Special hazards arising from the substance or mixture**

**Hazardous decomposition and by-products:**

Does not apply.

**5.3 Advice for firefighters**

None.

**6. Accidental Release Measures**

**6.1 Personal precautions, protective equipment and emergency procedures:**

No special procedures are required for the clean-up of spills or leaks of this material. Sweep or scoop up spill, avoid creating dust, and return for reuse or discard.

**6.2 Environmental precautions:**

None.

**6.3 Methods materials for containment and cleaning up:**

Does not apply.

**6.4 Reference to other sections:**

Refer to Sections 4, 5, 8, and 13 for more information.

**7. Handling and Storage**

**7.1 Precautions for safe handling**

Avoid spills and clean them up immediately when they occur. Product is very slippery. For industrial or professional use only.

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

Keep product containers closed when not in use.

**7.3 Specific end uses**

See technical data sheet on this product for further information.

**8. Exposure Controls / Personal Protection**

**8.1 Control parameters**

**Exposure limits and recommendations:**

| Component Name             | Limit                      | Standard   | Source/Note |
|----------------------------|----------------------------|------------|-------------|
| Silica, Crystalline Quartz | PEL 10 mg/m <sup>3</sup> * | MSHA/ACGIH | USA         |
|                            | TLV 3 mg/m <sup>3</sup> ** | ACGIH      | USA         |
|                            | PEL 5 mg/m <sup>3</sup> ** | OSHA       | USA         |

\* nuisance particulate

\*\* respirable particulate, not otherwise regulated.

**8.2 Exposure controls**

**Respiratory protection:**

None required for normal handling temperatures and conditions.

**Protective gloves:**

For repeated or prolonged skin contact, the use of gloves is recommended to prevent possible irritation.

**Eye protection:**

Eye protection is recommended, especially if the material is used in ways where it could contact the eyes.

**9. Physical and Chemical**

**9.1 Information of basic physical and chemical properties**

|  |                          |
|--|--------------------------|
| <b>Appearance:</b>                                   | Tan sand                 |
| <b>Odor threshold:</b>                               | Not Available            |
| <b>pH:</b>   | 6.0 – 8.0                |
| <b>Freezing point:</b>                               | Not Applicable           |
| <b>Boiling point:</b>                                | Not Applicable           |
| <b>Flash point:</b>                                  | None                     |
| <b>Evaporation rate:</b>                             | Not Applicable           |
| <b>Flammability (solid, gas):</b>                    | Product is not flammable |
| <b>Upper/lower flammability or explosive limits:</b> | Does not apply           |
| <b>Vapor pressure:</b>                               | Not Applicable           |
| <b>Vapor density (Air = 1):</b>                      | Not Applicable           |
| <b>Specific gravity (H<sub>2</sub>O = 1):</b>        | 2.5 – 2.8                |
| <b>Solubility in water:</b>                          | Not Available            |
| <b>Partition coefficient: n-octanol/water:</b>       | Not Available            |
| <b>Auto-ignition temperature:</b>                    | Does not apply           |
| <b>Decomposition temperature:</b>                    | Not Available            |

**9.2 Other Information**

|                              |       |
|------------------------------|-------|
| <b>Volatiles (Weight %):</b> | 0%    |
| <b>VOC Content:</b>          | 0 g/l |

**10. Stability and Reactivity**

**10.1 Reactivity:**

No dangerous reaction known under conditions of normal use.

**10.2 Chemical stability:**

Stable

**10.3 Possibility of hazardous reactions:**

None known.

**10.4 Conditions to avoid:**

None known.

**10.5 Incompatible materials :**

Strong oxidizing agents.

**10.6 Hazardous decomposition products:**

Silica-containing respirable dust particles may be generated by handling.

**11. Toxicological Information**

**11.1 Information on toxicological effects:**

**Acute toxicity**

**Eye contact:**

Can cause moderate irritation due to abrasive action.

**Skin contact:**

Can cause slight irritation.

**Irritation and Sensitization Potential:**

This product has low skin irritation potential. It is not a sensitizer.

**Inhalation (Breathing):**

May be harmful by inhalation (after often repeated exposure). May cause irritation of respiratory tract.

**Ingestion:**

Expected to be practically non-toxic. Ingestion of large amounts may cause gastrointestinal irritation and blockage.

**Aspiration hazard**

Not an aspiration hazard.

**Chronic Exposure:**

**Reproductive Toxicity:** Not Available

**Mutagenicity:** Not Available

**Teratogenicity:** Not Available

**Toxicologically Synergistic Products:** Not Available

**Carcinogenic Status:** This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC, or OSHA, nor have any of its components.

**12. Ecological Information**

**12.1 Ecotoxicity:** No information available.

**12.2 Persistence and degradability:** No information available.

**12.3 Bioaccumulation potential:** No information available

**12.4 Mobility in soil:** No information available.

**12.5 Results of PBT and vPvB Assessment:** This product is not, nor does it contain a substance that is a PBT or vPvB.

**12.6 Other adverse effects:** None known.

**13. Disposal Considerations**

Dispose of product in accordance with National and Local Regulations.

**14. Transport Information**

**UN Number:** Not Listed

**UN Proper shipping name:** Not Applicable

**Transport hazard class(es):** Not Applicable

**Packing group:** Not Applicable

**Environmental hazards:** None known

**Special precautions:** None known

**TDG:** Not Regulated

**ICAO/IATA-DGR:** Not Regulated

**IMDG:** Not Regulated

**ADR/RID:** Not Regulated

**15. Regulatory Information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**USA Federal and State**

All components are listed on the TSCA inventory.

|   |                     |                       |                   |                       |                       |
|---|---------------------|-----------------------|-------------------|-----------------------|-----------------------|
| <b>Hazard Categories for SARA Section 311/312 Reporting</b> | <u>Acute</u><br>Yes | <u>Chronic</u><br>Yes | <u>Fire</u><br>No | <u>Pressure</u><br>No | <u>Reactive</u><br>No |
|---|---------------------|-----------------------|-------------------|-----------------------|-----------------------|

|                          |  |                       |   |
|--------------------------|--|-----------------------|---|
| <b><u>Components</u></b> | <b><u>CERCLA/SARA Sec 302 Hazardous Substance RQ</u></b> | <b><u>EHS TPQ</u></b> | <b><u>SARA Sec. 313 Toxic Release</u></b> |
|--------------------------|--|-----------------------|---|

Components are not affected by these Superfund regulations.

**NFPA Ratings:**

|             |   |
|-------------|---|
| Health:     | 0 |
| Fire:       | 0 |
| Reactivity: | 0 |

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel during spill, fire or similar emergencies. Hazard ratings are based on physical and toxic properties of combustion or decomposition.

**European Union**

Product complies with the communication requirements of REACH Regulation (EC) No. 1907/2006. All components are listed on the European Inventory of Existing Chemical Substances (EINECS). Contains no substance on the REACH candidate list  $\geq 0.1\%$  SCL. Does not contain notified substances from the ELINCS List, Directive 92/32/EEC. Contains no REACH substances with Annex XVII restrictions.

**Canada**

All components are listed on the DSL inventory.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**Australia**

All components are listed on the AICS.

Not classified as hazardous according to criteria of NOHSC Australia.

**15.2 Chemical Safety Assessment**

No chemical safety assessment has been carried out for the mixture by the supplier.

|                              |
|------------------------------|
| <b>16. Other Information</b> |
|------------------------------|

**Abbreviations and acronyms:**

- OSHA = Occupational Safety and Health Administration
- CLP = Classification, Labeling and Packaging Regulation
- STOT = Specific Target Organ Toxicity
- LD<sub>50</sub> = Median Lethal Dose
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- ACGIH = American Conference of Governmental Industrial Hygienists
- TSCA = Toxic Substances Control Act (USA)
- DSL = Domestic Substances List (Canada)
- AICS = Australian Inventory of Chemical Substances

|                               |   |
|-------------------------------|---|
| <b>Revision Date:</b>         | July 31, 2017   |
| <b>Revision Number:</b>       | 5   |
| <b>Supersedes:</b>            | January 2, 2015   |
| <b>Other:</b>                 | Not Applicable  |
| <b>Indication of Changes:</b> | Reviewed, no changes. Written in accordance with the provisions of OSHA 1910.1200 App D and REACH Annex II (EU No 453/2010). (GHS format) |

**Product Name:** Dura-Plate 100 Epoxy Mortar EM Part C Filler

**Revision Date:** July 31, 2017

The information and recommendations contained herein are believed to be reliable. However, the supplier makes no warranties, express or implied, concerning the use of this product. The buyer must determine conditions of safe usage and assumes all risk and liability in handling this product.