

## K Pro UW EPL Grout, Component B (222B)

### Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Revision Date: 05/30/2024 Supersedes: n/a

Version: 1.0

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

### 1.1. Product Identifier

**Product Form:** Mixture

**Product Name:** K Pro UW EPL Grout, Component B (222B)

### 1.2. Intended Use of the Product

**Use of the substance/mixture:** Epoxy Adhesive

### 1.3. Name, Address, and Telephone of the Responsible Party

#### Company

Kaufman Products, Inc.

3811 Curtis Avenue

Baltimore, MD 21226-1131

410-354-8600

<http://www.kaufmanproducts.net/>

### 1.4. Emergency Telephone Number

**Emergency Number** : 800-424-9300

For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC – Day or Night

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the Substance or Mixture

#### Classification (GHS-US)

|                              |      |
|------------------------------|------|
| Combustible liquid 4         | H227 |
| Acute Toxicity, oral 4       | H302 |
| Acute Toxicity, Dermal 4     | H312 |
| Skin Corr. 1A                | H314 |
| Skin Irrit. 2                | H315 |
| Skin Sens. 1                 | H317 |
| Eye Dam. 1                   | H318 |
| Acute Toxicity, Inhalation 4 | H332 |
| Carc. 2                      | H351 |
| Aquatic Acute 2              | H401 |
| Aquatic Chronic 2            | H411 |

### 2.2. Label Elements

#### GHS-US Labeling

#### Hazard Pictograms (GHS-US)



#### Signal Word (GHS-US)

: Danger

#### Hazard Statements (GHS-US)

: H227 - Combustible liquid  
H302 - Harmful if swallowed  
H312 - Harmful in contact with skin  
H314 - Causes severe skin burns and eye damage  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction

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|---|---|
| <p><b>Precautionary Statements (GHS-US)</b></p> | <p>H318 - Causes serious eye damage<br/>H331 - Toxic if inhaled<br/>H332 - Harmful if inhaled<br/>H351 – Suspected of causing cancer<br/>H401 - Toxic to aquatic life<br/>H411 - Toxic to aquatic life with long lasting effects</p> <p>P201 - Obtain special instructions before use<br/>P202 - Do not handle until all safety precautions have been read and understood<br/>P210 - Keep away from heat, hot surface, sparks, open flames and other ignition sources. No smoking.<br/>P260 - Do not breathe dust/fume/gas/mist/vapors/spray<br/>P261 - Avoid breathing mist, spray, vapors<br/>P264 - Wash exposed areas. thoroughly after handling<br/>P270 - Do not eat, drink or smoke when using this product.<br/>P272 - Contaminated work clothing should not be allowed out of the workplace<br/>P273 - Avoid release to the environment<br/>P280 - Wear eye protection, protective clothing, protective gloves<br/>P301+P316 - IF SWALLOWED: Get emergency medical help immediately.<br/>P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting<br/>P302+P352 - IF ON SKIN: Wash with plenty of soap and water<br/>P302+P361+P354 - IF ON SKIN: Take off Immediately all contaminated clothing. Immediately rinse with water for several minutes.<br/>P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower<br/>P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing<br/>P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing<br/>P305+P354+P338 - IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.<br/>P308+P313 - If exposed or concerned: Get medical advice/attention<br/>P316 - Get emergency medical help immediately.<br/>P330 - Rinse mouth.<br/>P362+P364 - Take off contaminated clothing and wash it before reuse<br/>P363 - Wash contaminated clothing before reuse<br/>P370+P380 - In case of fire: Evacuate area.<br/>P391 - Collect spillage<br/>P403 - Store in a well-ventilated place.<br/>P405 - Store locked up<br/>P501 - Dispose of contents/container to local, regional, national, and international regulations</p> |
|---|---|

### 2.3. Other Hazards

No additional information available

### 2.4. Unknown Acute Toxicity (GHS-US)

No data available

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substance

Not applicable

### 3.2. Mixture

| Name                                       | Product identifier  | %     | Classification (GHS-US)                  |
|--|---------------------|-------|--|
| Polyoxypropylene diamine                   | (CAS No) 9046-10-0  | 15-40 | H302, H312, H314, H318, H402, H412       |
| 1,2-Diaminocyclohexane                     | (CAS No) 694-83-7   | 15-40 | H227, H314, H318                         |
| Bisphenol A-epichlorohydrin polymer        | (CAS No) 25068-38-6 | 10-30 | H315, H317, H319, H411                   |
| Solvent naphtha, petroleum, heavy aromatic | (CAS No) 64742-94-5 | 10-30 | H227, H315, H351, H336, H304, H401, H411 |
| Phenylmethanol                             | (CAS No) 100-51-6   | 3-7   | H302, H319, H332                         |

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of First Aid Measures

**First-aid Measures General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention.

**First-aid Measures After Inhalation:** When symptoms occur: go into open air and ventilate suspected area.

**First-aid Measures After Skin Contact:** Remove contaminated clothing. Immediately flush skin with plenty of water for at least 60 minutes. Get medical advice/attention. Wash contaminated clothing before reuse.

**First-aid Measures After Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

**First-aid Measures After Ingestion:** Rinse mouth. Do NOT induce vomiting.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. If medical advice is needed, have product container or label at hand.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Alcohol foam, carbon dioxide, dry chemical.

**Unsuitable Extinguishing Media:** Do not use water jet. Use of heavy stream of water may spread fire.

### 5.2. Special Hazards Arising from the Substance or Mixture

Carbon oxides

Nitrogen oxides (NOx)

Combustible.

Vapors are heavier than air and may spread along floors.

Forms explosive mixtures with air on intense heating.

Development of hazardous combustion gases or vapors possible in the event of fire.

### 5.3. Advice for Firefighters

**Fire Fighting Instructions:** Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

**Hazardous Combustion Products:** Incomplete combustion products, Oxides of carbon, Smoke, Fume

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

### 6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

### 6.3. Methods and Material for Containment and Cleaning Up

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Collect spillage. Clear up spills immediately and dispose of waste safely.

### 6.4. Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Precautions for Safe Handling:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid breathing vapours, mist, spray.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep container tightly closed.

**Incompatible Products:** Strong acids. Strong bases. Strong oxidizers.

**Incompatible Materials:** Heat sources.

**Storage Area:** Store locked up.

### 7.3. Specific End Use(s) Epoxy Adhesive.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

| Solvent naphtha, petroleum, heavy aromatic |              | (CAS No) 64742-94-5              |
|--|--------------|----------------------------------|
| USA ACGIH                                  | ACGIH TWA    | 200 mg/m <sup>3</sup> vapor      |
| USA OSHA                                   | OSHA Z-1 TWA | 500 ppm, 2,000 mg/m <sup>3</sup> |
| USA OSHA                                   | OSHA P0 TWA  | 400 ppm, 1,600 mg/m <sup>3</sup> |
| Phenylmethanol                             |              | (CAS No) 100-51-6                |
| WEEL                                       | TWA          | 10 ppm                           |

### 8.2. Exposure Controls

#### Appropriate Engineering Controls

: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

#### Personal Protective Equipment

: Gloves. Protective clothing. Protective goggles.



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|  |   |
|--|---|
| <b>Materials for Protective Clothing</b> | : Chemically resistant materials and fabrics.   |
| <b>Hand Protection</b>                   | : Wear chemically resistant protective gloves.  |
| <b>Eye Protection</b>                    | : Chemical goggles or face shield.  |
| <b>Skin and Body Protection</b>          | : Wear suitable protective clothing.  |
| <b>Respiratory Protection</b>            | : If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn. |
| <b>Other Information</b>                 | : When using, do not eat, drink or smoke.   |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

|   |  |
|---|--|
| <b>Physical State</b>                             | : Liquid                                 |
| <b>Appearance</b>                                 | : Light.                                 |
| <b>Odor</b>                                       | : Amine-like.                            |
| <b>Odor Threshold</b>                             | : No data available                      |
| <b>pH</b>   | : No data available                      |
| <b>Relative Evaporation Rate (butylacetate=1)</b> | : No data available                      |
| <b>Relative evaporation rate (ether=1)</b>        | : Slower than ether                      |
| <b>Melting Point</b>                              | : No data available                      |
| <b>Freezing Point</b>                             | : No data available                      |
| <b>Boiling Point</b>                              | : 163-165 °C (325-329 °F) at 5 hPa - lit |
| <b>Flash Point</b>                                | : 101 °C (214 °F)                        |
| <b>Auto-ignition Temperature</b>                  | : No data available                      |
| <b>Decomposition Temperature</b>                  | : No data available                      |
| <b>Flammability (solid, gas)</b>                  | : No data available                      |
| <b>Vapor Pressure</b>                             | : No data available                      |
| <b>Relative Vapor Density at 20 °C</b>            | : No data available                      |
| <b>Relative Density</b>                           | : 8.39 lbs/gal                           |
| <b>Specific Gravity</b>                           | : 1.005 g/mL                             |
| <b>Solubility</b>                                 | : Water: Partially                       |
| <b>Log Pow</b>                                    | : No data available                      |
| <b>Log Kow</b>                                    | : No data available                      |
| <b>Viscosity, Kinematic</b>                       | : No data available                      |
| <b>Viscosity, Dynamic</b>                         | : No data available                      |
| <b>Explosive Properties</b>                       | : No data available                      |
| <b>Oxidizing Properties</b>                       | : No data available                      |
| <b>Explosive Limits</b>                           | : Not applicable                         |

### 9.2. Other Information

VOC content :0%

## SECTION 10: STABILITY AND REACTIVITY

**10.1 Reactivity:** Product is stable under normal conditions.

**10.2 Chemical Stability:** Product is stable under normal conditions.

**10.3 Possibility of Hazardous Reactions:** Violent reactions possible with: Strong oxidizing agents, Strong acids. Contact with powerful oxidizing agents, such as fluorine, chlorine trifluoride and oxygen difluoride, may cause fires.

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- 10.4 Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.
- 10.5 Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers.
- 10.6 Hazardous Decomposition Products:** Aldehydes, Carbon oxides (CO, CO<sub>2</sub>), Hydrocarbons.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information On Toxicological Effects

**Acute Toxicity:** Not available

|  |  |
|--|--|
| <b>1,2-Diaminocyclohexane (694-83-7)</b>                       |  |
| <b>LD50 Oral Rat</b>   | 1,170 mg/kg                                  |
| <b>Phenylmethanol (100-51-6)</b>                               |  |
| <b>LC50 Inhalation Rat</b>                                     | 4.178 mg/l – aerosol – 4h                    |
| <b>Polyoxypropylene diamine (9046-10-0)</b>                    |  |
| <b>LD50 Dermal Rabbit</b>                                      | 1,555 mg/kg                                  |
| <b>Solvent naphtha, petroleum, heavy aromatic (64742-94-5)</b> |  |
| <b>LD50 Oral Rat</b>   | > 5000 mg/kg                                 |
| <b>LD50 Dermal Rabbit</b>                                      | > 2 ml/kg                                    |
| <b>LC50 Inhalation Rat (mg/l)</b>                              | > 590 mg/m <sup>3</sup> (Exposure time: 4 h) |

**Skin Corrosion/Irritation:** Causes severe skin burns and eye damage.

**Serious Eye Damage/Irritation:** Causes serious eye damage.

**Respiratory or Skin Sensitization:** May cause an allergic skin reaction.

**Germ Cell Mutagenicity:** Not Classified.

**Carcinogenicity:** May cause cancer.

**Reproductive Toxicity:** Not classified.

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** Inhalation of fumes or vapours may cause respiratory irritation.

**Symptoms/Injuries After Skin Contact:** Corrosive. Causes burns.

**Symptoms/Injuries After Eye Contact:** Causes serious eye damage.

**Symptoms/Injuries After Ingestion:** Ingestion is likely to be harmful or have adverse effects.

**Chronic Symptoms:** May cause cancer.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

**Ecology - General** : Toxic to aquatic life with long lasting effects.

|   |  |
|---|--|
| <b>Polyoxypropylene diamine (9046-10-0)</b> |  |
| <b>EC50 Fish, Fresh water</b>               | >100 mg/L (Exposure time: 96 h)  |
| <b>EC50 Invertebrates</b>                   | 15 mg/L (Exposure time: 48 h - Species: Daphnia magna)                             |
| <b>IC50 Algae</b>                           | 135 mg/L (Exposure time: 72 h)   |
| <b>Phenylmethanol (100-51-6)</b>            |  |
| <b>LC50 Fish</b>                            | 460 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static test])        |
| <b>ErC50 Algae</b>                          | 700 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata [static]) |

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| Solvent naphtha, petroleum, heavy aromatic (64742-94-5) |   |
|---|---|
| LC50 Fish   | 19 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
| EC50 Daphnia  | 0.95 mg/l (Exposure time: 48 h - Species: Daphnia magna)              |
| LC 50 Fish  | 2.34 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)        |

### 12.2. Persistence and Degradability

| K Pro UW EPL Grout, Component B (222B) |  |
|--|--|
| Persistence and Degradability          | Not established. May cause long-term adverse effects in the environment. |

### 12.3. Bioaccumulative Potential

| K Pro UW EPL Grout, Component B (222B) |                  |
|--|------------------|
| Bioaccumulative Potential              | Not established. |

| Solvent naphtha, petroleum, heavy aromatic (64742-94-5) |           |
|---|-----------|
| BCF fish 1  | 61 - 159  |
| Log Pow   | 2.9 - 6.1 |

### 12.4. Mobility in Soil No additional information available

### 12.5. Other Adverse Effects

Other Information : Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, and international regulations.

**Ecology – Waste Materials:** This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

## SECTION 14: TRANSPORT INFORMATION

### 14.1 In Accordance with DOT

Proper Shipping Name : CORROSIVE LIQUIDS, N.O.S.  
Hazard Class : 8  
Identification Number : UN1760  
Label Codes : 8  
Packing Group : III  
ERG Number : 154



### 14.2 In Accordance with IMDG

Proper Shipping Name : CORROSIVE LIQUID, N.O.S.  
Hazard Class : 8  
Identification Number : UN1760  
Packing Group : III  
Label Codes : 8  
EmS-No. (Fire) : F-A  
EmS-No. (Spillage) : S-B



### 14.3 In Accordance with IATA

Proper Shipping Name : CORROSIVE LIQUID, N.O.S.

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**Packing Group** : III  
**Identification Number** : UN1760  
**Hazard Class** : 8  
**Label Codes** : 8  
**ERG Code (IATA)** : 8L



## SECTION 15: REGULATORY INFORMATION

### 15.1 US Federal Regulations

|   |
|---|
| <b>Polyoxypropylene diamine (9046-10-0)</b>                             |
| <b>SARA 311/312 Hazards:</b> Acute Health Hazard                        |
| <b>Phenylmethanol (100-51-6)</b>  |
| <b>SARA 311/312 Hazards:</b> Acute Health Hazard, Chronic Health Hazard |
| <b>1,2-Diaminocyclohexane (694-83-7)</b>                                |
| <b>SARA 311/312 Hazards:</b> Fire Hazard, Acute Health Hazard           |
| <b>Solvent naphtha, petroleum, heavy aromatic (64742-94-5)</b>          |
| <b>SARA 311/312 Hazards:</b> Acute Health Hazard, Chronic Health Hazard |
| <b>Bisphenol A-epichlorohydrin polymer (25068-38-6)</b>                 |
| <b>SARA 311/312 Hazards:</b> Acute Health Hazard                        |

### 15.2 US State Regulations

|  |
|--|
| <b>Solvent naphtha, petroleum, heavy aromatic (64742-94-5)</b>                                 |
| Pennsylvania Right to Know Components: Solvent naphtha, petroleum, heavy aromatic (64742-94-5) |
| New Jersey Right to Know Components: Solvent naphtha, petroleum, heavy aromatic (64742-94-5)   |
| <b>Phenylmethanol (100-51-6)</b>   |
| Pennsylvania Right to Know Components: Phenylmethanol (100-51-6)                               |
| New Jersey Right to Know Components: Phenylmethanol (100-51-6)                                 |
| <b>Bisphenol A-epichlorohydrin polymer (25068-38-6)</b>  |
| Pennsylvania Right to Know Components: Bisphenol A-epichlorohydrin polymer (25068-38-6)        |
| New Jersey Right to Know Components: Bisphenol A-epichlorohydrin polymer (25068-38-6)          |
| <b>1,2-Diaminocyclohexane (694-83-7)</b>   |
| Pennsylvania Right to Know Components: 1,2-Diaminocyclohexane (694-83-7)                       |
| New Jersey Right to Know Components: 1,2-Diaminocyclohexane (694-83-7)                         |

## SECTION 16: OTHER INFORMATION

### Other Information

: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

### DISCLAIMER

The information provided in this Safety Data Sheet is believed to be accurate to the best of our knowledge, information, and belief at the date of its publication. The information given is designed solely as a guide for the safe handling, use, processing, storage,



# KAUFMAN

PRODUCT  
INFORMATION

KAUFMAN  
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*transportation, disposal, and release by a person trained in chemical handling. This is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified on either the latest version of our product data sheet or safety data sheet. Users and handlers of this product should make their own investigations to determine the suitability of the information provided herein for their own purposes.*

SDS US (GHS HazCom) - US Only 10 pt 2