

K Pro UW Grout, Component B (221B)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision Date: 03/04/2024

Supersedes: 06/01/20

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 Grout, Component B (221B)

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
Aspiration Hazard 1	H304
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
Target Organ Toxicity, single exposure, 3	H335
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
H304 - May be fatal if swallowed and enters airways
H312 - Harmful in contact with skin

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	H314 - Causes severe skin burns and eye damage
	H315 - Causes skin irritation
	H317 - May cause an allergic skin reaction
	H318 - Causes serious eye damage
	H331 - Toxic if inhaled
	H332 - Harmful if inhaled
	H335 - May cause respiratory irritation
	H351 - Suspected of causing cancer
	H401 - Toxic to aquatic life
	H402 - Harmful to aquatic life
	H411 - Toxic to aquatic life with long lasting effects
Precautionary Statements (GHS-US)	: P201 - Obtain special instructions before use
	P202 - Do not handle until all safety precautions have been read and understood
	P210 - Keep away from heat, hot surface, sparks, open flames and other ignition sources. No smoking.
	P260 - Do not breathe dust/fume/gas/mist/vapors/spray
	P261 - Avoid breathing mist, spray, vapors
	P264 - Wash exposed areas. thoroughly after handling
	P270 - Do not eat, drink or smoke when using this product.
	P272 - Contaminated work clothing should not be allowed out of the workplace
	P273 - Avoid release to the environment
	P280 - Wear eye protection, protective clothing, protective gloves
	P301+P316 - IF SWALLOWED: Get emergency medical help immediately.
	P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting
	P302+P352 - IF ON SKIN: Wash with plenty of soap and water
	P302+P361+P354 - IF ON SKIN: Take off Immediately all contaminated clothing. Immediately rinse with water for several minutes.
	P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
	P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position 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
	P305+P354+P338 - IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
	P308+P313 - If exposed or concerned: Get medical advice/attention
	P316 - Get emergency medical help immediately.
	P330 - Rinse mouth.
	P362+P364 - Take off contaminated clothing and wash it before reuse
	P363 - Wash contaminated clothing before reuse
	P370+P380 - In case of fire: Evacuate area.
	P391 - Collect spillage
	P403 - Store in a well-ventilated place.
	P405 - Store locked up
	P501 - Dispose of contents/container to local, regional, national, and international regulations

2.3. Other Hazards

No additional information available

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2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
7-Azatridecane-1,13-diamine	(CAS No) 143-23-7	30-60	H302, H312, H314, H318, H335, H401, H412
Polyoxypropylene diamine	(CAS No) 9046-10-0	10-30	H302, H312, H314, H318
Phenylmethanol	(CAS No) 100-51-6	10-30	H302, H319, H332
1,2-Diaminocyclohexane	(CAS No) 694-83-7	7-13	H227, H314, H318
Solvent naphtha, petroleum, heavy aromatic	(CAS No) 64742-94-5	7-13	H227, H315, H351, H336, H304, H401, H411
Bisphenol A-epichlorohydrin polymer	(CAS No) 25068-38-6	3-7	H315, H317, H319, H411

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 (NO_x)

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.

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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

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 ³ vapor
USA OSHA	OSHA Z-1 TWA	500 ppm, 2,000 mg/m ³
USA OSHA	OSHA P0 TWA	400 ppm, 1,600 mg/m ³
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.

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Personal Protective Equipment : Gloves. Protective clothing. Protective goggles.



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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State : Liquid
Appearance : Light.
Odor : Amine-like.
Odor Threshold : No data available
pH : No data available
Relative Evaporation Rate (butylacetate=1) : No data available
Relative evaporation rate (ether=1) : Slower than ether
Melting Point : No data available
Freezing Point : No data available
Boiling Point : 163-165 °C (325-329 °F) at 5 hPa - lit
Flash Point : 101 °C (214 °F)
Auto-ignition Temperature : No data available
Decomposition Temperature : No data available
Flammability (solid, gas) : No data available
Vapor Pressure : No data available
Relative Vapor Density at 20 °C : No data available
Relative Density : 8.23 lbs/gal
Specific Gravity : 0.986 g/mL
Solubility : Water: Partialy
Log Pow : No data available
Log Kow : No data available
Viscosity, Kinematic : No data available
Viscosity, Dynamic : No data available
Explosive Properties : No data available
Oxidizing Properties : No data available
Explosive Limits : Not applicable

9.2. Other Information

VOC content :0%

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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.
- 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, CO₂), Hydrocarbons.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Acute Toxicity: Not available

7-Azatridecane-1,13-diamine (143-23-7)	
LD50 Oral Rat	450 mg/kg
Phenylmethanol (100-51-6)	
LC50 Inhalation Rat	4.178 mg/l – aerosol – 4h
Polyoxypropylene diamine (9046-10-0)	
LD50 Dermal Rabbit	1,555 mg/kg
Solvent naphtha, petroleum, heavy aromatic (64742-94-5)	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	> 2 ml/kg
LC50 Inhalation Rat (mg/l)	> 590 mg/m ³ (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.

7-Azatridecane-1,13-diamine (143-23-7)	
ErC50 Algae, Fresh water	9.3 mg/L (Exposure time: 72 h - Species: Raphidocelis subcapitata)
EC50 Bacteria, Activate sludge	335 mg/L (Exposure time: 3 h - Species: n/a)

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Polyoxypropylene diamine (9046-10-0)	
EC50 Fish, Fresh water	>100 mg/L (Exposure time: 96 h)
EC50 Invertebrates	15 mg/L (Exposure time: 48 h - Species: Daphnia magna)
IC50 Algae	135 mg/L (Exposure time: 72 h)

Phenylmethanol (100-51-6)	
LC50 Fish	460 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static test])
ErC50 Algae	700 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata [static])

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 Grout, Component B (221B)	
Persistence and Degradability	Not established. May cause long-term adverse effects in the environment.

12.3. Bioaccumulative Potential

K Pro UW Grout, Component B (221B)	
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

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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.
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

7-Azatridecane-1,13-diamine (143-23-7)

SARA 311/312 Hazards: Acute Health Hazard

Polyoxypropylene diamine (9046-10-0)

SARA 311/312 Hazards: Acute Health Hazard

Phenylmethanol (100-51-6)

SARA 311/312 Hazards: Acute Health Hazard, Chronic Health Hazard

1,2-Diaminocyclohexane (694-83-7)

SARA 311/312 Hazards: Fire Hazard, Acute Health Hazard

Solvent naphtha, petroleum, heavy aromatic (64742-94-5)

SARA 311/312 Hazards: Acute Health Hazard, Chronic Health Hazard

Bisphenol A-epichlorohydrin polymer (25068-38-6)

SARA 311/312 Hazards: Acute Health Hazard

15.2 US State Regulations

Solvent naphtha, petroleum, heavy aromatic (64742-94-5)

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)

Phenylmethanol (100-51-6)

Pennsylvania Right to Know Components: Phenylmethanol (100-51-6)

New Jersey Right to Know Components: Phenylmethanol (100-51-6)

Bisphenol A-epichlorohydrin polymer (25068-38-6)

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)

1,2-Diaminocyclohexane (694-83-7)

Pennsylvania Right to Know Components: 1,2-Diaminocyclohexane (694-83-7)

New Jersey Right to Know Components: 1,2-Diaminocyclohexane (694-83-7)

K A U F M A N

PRODUCT
INFORMATION

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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, 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.

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