

SurePoxy HM Gel Component B (113B)

Safety Data Sheet

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

Revision Date: 02/7/23

Supersedes: 03/21/15

Version: 1.0

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

1.1. Product Identifier

Product Form: Mixture

Product Name: SurePoxy HM Gel Component B (113B)

1.2. Intended Use of the Product

Use of the substance/mixture: Epoxy gel. 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 5	H333
Target Organ Toxicity, single exposure, 3	H335
Carc. 1A	H350
Target Organ Toxicity, repeat exposure, 1	H372
Aquatic Acute 1	H400
Aquatic Chronic 3	H402
Chronic Toxicity 1	H410

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

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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
H333 - Toxic if inhaled
H335 - May cause respiratory irritation
H340 - May cause genetic defects
H350 - May cause cancer
H372 - Causes damage to organs through prolonged or repeated exposure
H400 - Very toxic to aquatic life
H402 - Harmful to aquatic life
H410 - Very 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

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2.3. Other Hazards

No additional information available

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	15-40	H302, H312, H314, H318, H335, H401, H412
Crystalline Silica	(CAS No) 14808-60-7	10-30	H335, H350, H372
Kaolin	(CAS No) 1332-58-7	7-13	Not classified
Phenol, 4-nonyl-, branched	(CAS No) 84852-15-3	7-13	H302, H314, H318, H361, H400, H410
1,2-Diaminocyclohexane	(CAS No) 694-83-7	7-13	H227, H314, H318
Solvent naphtha, petroleum, heavy aromatic	(CAS No) 64742-94-5	5-10	H226, H315, H351, H336, H304, H401, H411
Bisphenol A-epichlorohydrin polymer	(CAS No) 25068-38-6	3-7	H315, H317, H319, H411
2-[[2,2-dimethyl-3-(oxiran-2-ylmethoxy)propoxy]methyl]oxirane	(CAS No) 17557-23-2	3-7	H315, H317

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

Symptoms/Injuries: Causes severe skin burns and eye damage.

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. May damage fertility. May damage the unborn child. May cause heritable genetic damage.

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

If medical advice is needed, have product container or label at hand.

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SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Alcohol foam, carbon dioxide, dry chemical. Use extinguishing media appropriate for surrounding fire.

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

Fire Hazard: Not considered flammable but will burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: Product is stable.

5.3. Advice for Firefighters

Firefighting Instructions: Exercise caution when fighting any chemical fire.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid all eyes and skin contact and do not breathe vapor and mist. Do not allow product to spread into the environment.

6.1.1. For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

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 gel. Adhesive.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Kaolin (CAS No) 1332-58-7		
USA ACGIH	ACGIH TWA	2 (mg/m ³) respirable fraction
USA OSHA	OSHA TWA	5 (mg/m ³) respirable fraction
USA NIOSH	NIOSH TWA	5 (mg/m ³) respirable fraction

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

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.



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	: 92 °C (198 °F) at 24 hPa - lit
Flash Point	: 70 °C (158 °F)
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available

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Vapor Pressure	: No data available
Relative Vapor Density at 20 °C	: No data available
Relative Density	: 10.15 lbs/gal
Specific Gravity	: 1.216 g/mL
Solubility	: Water: Nil
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%

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
Phenol, 4-nonyl-, branched (84852-15-3)	
LD50 Oral Rat	580 mg/kg
LD50 Dermal Rabbit	2031 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

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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.

Diethylenetriamine (CAS No) 111-40-0	
LC50 Fish 1	430 mg/l (Exposure time: 96 h - Species: Poecilia reticulata [guppy])
EC50 Daphnia 1	16 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Phenol, 4-nonyl-, branched (84852-15-3)	
LC50 Fish 1	0.135 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	0.14 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 Other Aquatic Organisms 1	0.36 - 0.48 mg/l (Exposure time: 96 h - Species: Pseudokirchneriella subcapitata [static])
LC 50 Fish 2	0.1351 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [flow-through])
EC50 Other Aquatic Organisms 2	0.16 - 0.72 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata [static])

Solvent naphtha, petroleum, heavy aromatic (64742-94-5)	
LC50 Fish 1	19 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	0.95 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC 50 Fish 2	2.34 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)

12.2. Persistence and Degradability

SurePoxo HM Gel Component B (113B)	
Persistence and Degradability	Not established. May cause long-term adverse effects in the environment.

12.3. Bioaccumulative Potential

SurePoxo HM Gel Component B (113B)	
Bioaccumulative Potential	Not established.

Phenol, 4-nonyl-, branched (84852-15-3)	
BCF fish 1	271
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.

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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.
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

Crystalline Silica (14808-60-7)

SARA 311/312 Hazards: Chronic Health Hazard

Phenol, 4-nonyl-, branched (84852-15-3)

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

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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)
Phenol, 4-nonyl-, branched (84852-15-3)
Pennsylvania Right to Know Components: Phenol, 4-nonyl-, branched (84852-15-3)
New Jersey Right to Know Components: Phenol, 4-nonyl-, branched (84852-15-3)
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)

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.

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