

SAFETY DATA SHEET

EPOXY PUTTY- SAND

MSDS DATE: 01/2022

SECTION 1: IDENTIFICATION- PART A

PRODUCT NAME: EPOXY PUTTY- SAND
ADDITIONAL: PART A and PART B (integrated)

RECOMMENDED USE AND RESTRICTIONS ON USE
Not determined or not applicable.

COMPANY IDENTIFICATION

Manufacturer: J-B Weld Company, LLC
400 CMH Road, Sulphur Springs, TX 75482

Supplier / Distributor:
Native Trails
34 Zaca Ln., San Luis Obispo, CA 93401
800-786-0862

EMERGENCY PHONE: 1-800-424-9300 (CHEMTREC)

SECTION 2: HAZARDS IDENTIFICATION- PART A

GHS CLASSIFICATION: Skin sensitization, Category 1
Eye irritation, Category 2A
Skin irritation, category 2



SIGNAL WORD: WARNING

HAZARD STATEMENTS:

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

PRECAUTIONARY STATEMENTS:

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P264 Wash skin and eyes thoroughly after handling.
P321 Specific treatment (see supplemental first aid instructions on this label).

IF IN EYES

P305+P351+P338: 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 advice/attention P362 Take off contaminated clothing and wash before reuse

IF ON SKIN

P302+P352: Wash with plenty of soap and water
P332+P313 If skin irritation occurs: Get medical advice/attention
P501 Dispose of contents/container in accordance with local regulations.

HAZARDS NOT OTHERWISE CLASSIFIED:
None

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS- PART A

<u>NAME</u>	<u>WEIGHT%</u>	<u>CAS No.</u>
Talc Powder	<15	14807-96-6
Titanium Dioxide	<10	13463-67-7
Glass, oxide, chemicals	<25	65997-17-3
P-tert-butylphenyl 1-(2,3-epoxy)propyl ether		3101-60-8
Phenol, 4,4-(1-methylethylidene)bis-polymer with 2-(chloromethyl)oxiran	<30	25068-38-6

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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS(Cont.)- PART A

ADDITIONAL INFORMATION:

Fiberglass powder (CAS # 65997-17-3) is classified as a carcinogen in its inhalable form. Since the fiberglass powder in this product is not inhalable, the product itself is not classified as a carcinogen in the form presented.
The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR 51910.1200).

SECTION 4: FIRST AID MEASURES- PART A

DESCRIPTION OF FIRST AID MEASURES

GENERAL NOTES:

Not determined or not applicable.

AFTER INHALATION:

Loosen clothing as necessary and position individual in a comfortable position
Maintain an unobstructed airway
Get medical advice/attention if you feel unwell

AFTER SKIN CONTACT:

Rinse affected area with soap and water
If symptoms develop or persist, seek medical attention
Take off all contaminated clothing
Gently blot or brush away excess product
Wash with plenty of lukewarm, gently flowing water
Get medical advice if skin irritation occurs or you feel unwell

AFTER EYE CONTACT:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes
If symptoms develop or persist, seek medical attention
Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open
Remove contact lenses, if present and easy to do so
Continue rinsing for 15-20 minutes
Get medical advice if eye irritation persists

AFTER SWALLOWING:

Rinse mouth thoroughly
Seek medical attention if irritation, discomfort, or vomiting persists

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

ACUTE SYMPTOMS AND EFFECTS:

Not determined or not applicable.

DELAYED SYMPTOMS AND EFFECTS:

Not determined or not applicable.

IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT

SPECIFIC TREATMENT:

Not determined or not applicable.

NOTES FOR THE DOCTOR:

Not determined or not applicable.

SECTION 5: FIRE FIGHTING MEASURES- PART A

EXTINGUISHING MEDIA:

SUITABLE EXTINGUISHING MEDIA:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition

UNSUITABLE EXTINGUISHING MEDIA:

Not determined or not applicable.

SPECIFIC HAZARDS DURING FIRE-FIGHTING:

Thermal decomposition can lead to release of irritating gases and vapors

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SECTION 5: FIRE FIGHTING MEASURES(Cont.)- PART A

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit

SPECIAL PRECAUTIONS:

Carbon monoxide and carbon dioxide may form upon combustion
Heating causes a rise in pressure, risk of bursting and combustion

SECTION 6: ACCIDENTAL RELEASE MEASURES- PART A

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES;

Ensure adequate ventilation
Ensure air handling systems are operational
Wear protective eye wear, gloves and clothing

ENVIRONMENTAL PRECAUTIONS:

Should not be released into the environment
Prevent from reaching drains, sewer or waterway

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

Wear protective eye wear, gloves and clothing
Sweep or scoop up solid material while minimizing dust generation
Dispose of contents / container in accordance with local regulations

REFERENCE TO OTHER SECTIONS:

Not determined or not applicable.

SECTION 7: HANDLING AND STORAGE- PART A

PRECAUTIONS FOR SAFE HANDLING:

Use only with adequate ventilation.
Avoid breathing dust.
Do not eat, drink, smoke or use personal products when handling chemical substances.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Keep container tightly sealed.
Keep container dry.
Store in a cool, well-ventilated area.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION- PART A

Only those substances with limit values have been included below.

OCCUPATIONAL EXPOSURE LIMIT VALUES:

COUNTRY (LEGAL BASIS)	SUBSTANCE	IDENTIFIER	PERMISSIBLE CONCENTRATION
United States (OSHA)	Talc Powder	14807-96-6	OSHA PEL Ceiling 20 mppcf
	Titanium Dioxide	13463-67-7	OSHA PEL TWA 15 mg/m ³ (Total dust)
ACGIH	Talc Powder	14807-96-6	ACGIH TLV TWA 2 mg/m ³ (Inhalable particulate matter containing no asbestos and < 1% crystalline silica)
	Titanium Dioxide	13463-67-7	ACGIH TLV TWA 10 mg/m ³
	Glass, oxide, chemicals	65997-17 3	8-Hour Exposure Limit (TLV-TWA) 1 fibers/cm ³
NIOSH	Talc Powder	14807-96 6	NIOSH REL TWA 2.0 mg/m ³
	Titanium Dioxide	13463-67 7	IDLH: 5,000 mg/m ³
	Glass, oxide, chemicals	65997-17 3	NIOSH Recommended exposure limit (REL) [for up to a 10-hour workday during a 40-hour workweek] is: 3 fibers/cn·ü

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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION (Cont.) - PART A

BIOLOGICAL LIMIT VALUES:

No biological exposure limits noted for the ingredient(s).

INFORMATION ON MONITORING PROCEDURES:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls. Biological monitoring may also be appropriate for some substances.

APPROPRIATE ENGINEERING CONTROLS:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

PERSONAL PROTECTION EQUIPMENT

EYE AND FACE PROTECTION:

Safety goggles or glasses, or appropriate eye protection

SKIN AND BODY PROTECTION:

Select glove material impermeable and resistant to the substance.
Wear appropriate clothing to prevent any possibility of skin contact.

RESPIRATORY PROTECTION:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

GENERAL HYGIENIC MEASURES:

Avoid contact with skin, eyes, and clothing.
Wash hands before breaks and at the end of work.
Wash contaminated clothing before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES- PART A

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

White (solid)

ODOR

Not determined or not available.

ODOR THRESHOLD

Not determined or not available.

pH

Not determined or not available.

MELTING POINT/FREEZING POINT

Not determined or not available.

INITIAL BOILING POINT/RANGE

Not determined or not available.

FLASH POINT (CLOSED CUP)

135 °C (275 °F)

EVAPORATION RATE

Not determined or not available.

FLAMMABILITY (SOLID, GAS)

Not determined or not available.

UPPER FLAMMABILITY/EXPLOSIVE LIMIT

Not determined or not available.

LOWER FLAMMABILITY/EXPLOSIVE LIMIT

Not determined or not available.

VAPOR PRESSURE

Not determined or not available.

VAPOR DENSITY

Not determined or not available.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (Cont.) - PART A

DENSITY

1,98 g/cm³

RELATIVE DENSITY

Not determined or not available.

SOLUBILITIES

Not determined or not available.

PARTITION COEFFICIENT (N-OCTANOL/WATER)

Not determined or not available.

AUTO/SELF-IGNITION TEMPERATURE

Not determined or not available.

DECOMPOSITION TEMPERATURE

Not determined or not available.

DYNAMIC VISCOSITY

Not determined or not available.

KINEMATIC VISCOSITY

Not determined or not available.

EXPLOSIVE PROPERTIES

Not determined or not available.

OXIDIZING PROPERTIES

Not determined or not available.

SECTION 10: STABILITY AND REACTIVITY- PART A

REACTIVITY:

Does not react under normal conditions of use and storage.

CHEMICAL STABILITY:

Stable under normal conditions of use and storage.

POSSIBILITY OF HAZARDOUS REACTIONS:

None under normal conditions of use and storage.

CONDITIONS TO AVOID:

None known.

INCOMPATIBLE MATERIALS:

None known.

HAZARDOUS DECOMPOSITION PRODUCTS:

None known.

SECTION 11: TOXICOLOGICAL INFORMATION- PART A

ACUTE TOXICITY

ASSESSMENT:

Based on available data, the classification criteria are not met.

PRODUCT DATA:

No data available.

SUBSTANCE DATA:

No data available.

SKIN CORROSION/IRRITATION

ASSESSMENT:

Causes skin irritation

PRODUCT DATA:

No data available.

SUBSTANCE DATA:

NAME

P-tert-butylphenyl 1-(2,3-epoxy)propyl ether
Phenol, 4,4-(1-methylethylidene)bis-polymer with 2-(chloromethyl)oxiran

RESULT

Causes skin irritation
Causes skin irritation

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SECTION 11: TOXICOLOGICAL INFORMATION (Cont.) - PART A

SERIOUS EYE DAMAGE/IRRITATION

ASSESSMENT:

Causes serious eye irritation

PRODUCT DATA:

No data available

SUBSTANCE DATA:

NAME

P-tert-butylphenyl 1-(2,3-epoxy)propyl ether
Phenol, 4,4-(1-methylethylidene)bis-polymer with 2-(chloromethyl)oxiran

RESULT

Causes serious eye irritation
Causes serious eye damage

RESPIRATORY OR SKIN SENSITIZATION

ASSESSMENT:

May cause an allergic skin reaction

PRODUCT DATA:

No data available

SUBSTANCE DATA:

NAME

P-tert-butylphenyl 1-(2,3-epoxy)propyl ether
Phenol, 4,4-(1-methylethylidene)bis-polymer with 2-(chloromethyl)oxiran

RESULT

May cause sensitisation by skin contact.
May cause an allergic skin reaction.

CARCINOGENICITY

ASSESSMENT:

Based on available data, the classification criteria are not met.

PRODUCT DATA:

No data available.

SUBSTANCE DATA:

NAME

Glass, oxide, chemicals
Titanium Dioxide

SPECIES

Not applicable
Not applicable

RESULT

May cause cancer via inhalation.
Airborne, unbound particles of respirable size are known to cause cancer.

INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC):

NAME

Talc Powder
Glass, oxide, chemicals
Titanium Dioxide

CLASSIFICATION

Group 3 - Not classifiable as to its carcinogenicity to humans
Group 2B
Group 2B

NATIONAL TOXICOLOGY PROGRAM (NTP):

NAME

Glass, oxide, chemicals

CLASSIFICATION

Reasonably anticipated to be human carcinogens

GERM CELL MUTAGENICITY

ASSESSMENT:

Based on available data, the classification criteria are not met.

PRODUCT DATA:

No data available.

SUBSTANCE DATA:

No data available.

REPRODUCTIVE TOXICITY

ASSESSMENT:

Based on available data, the classification criteria are not met.

PRODUCT DATA:

No data available.

SUBSTANCE DATA:

No data available.

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SECTION 11: TOXICOLOGICAL INFORMATION (Cont.) - PART A

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)

ASSESSMENT:

Based on available data, the classification criteria are not met.

PRODUCT DATA:

No data available.

SUBSTANCE DATA:

No data available.

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)

ASSESSMENT:

Based on available data, the classification criteria are not met,

PRODUCT DATA:

No data available.

SUBSTANCE DATA:

No data available.

ASPIRATION TOXICITY

ASSESSMENT:

Based on available data, the classification criteria are not met.

PRODUCT DATA:

No data available.

SUBSTANCE DATA:

No data available.

INFORMATION ON LIKELY ROUTES OF EXPOSURE:

No data available.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:

No data available.

Other information:

No data available.

SECTION 12: ECOLOGICAL INFORMATION- PART A

ACUTE (SHORT-TERM) TOXICITY

ASSESSMENT:

Based on available data, the classification criteria are not met.

PRODUCT DATA:

No data available.

SUBSTANCE DATA:

NAME

Phenol, methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran

RESULT

EC50 - Scenedesmus capricornutum - 9 mg/L - 48 h

CHRONIC (LONG-TERM) TOXICITY

ASSESSMENT:

Based on available data, the classification criteria are not met.

PRODUCT DATA:

No data available.

SUBSTANCE DATA:

No data available.

PERSISTENCE AND DEGRADABILITY

PRODUCT DATA:

No data available.

SUBSTANCE DATA:

No data available.

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SECTION 12: ECOLOGICAL INFORMATION(Cont.)- PART A

BIOACCUMULATIVE POTENTIAL

PRODUCT DATA:

No data available.

SUBSTANCE DATA:

No data available.

MOBILITY IN SOIL

PRODUCT DATA:

No data available.

SUBSTANCE DATA:

No data available.

OTHER ADVERSE EFFECTS:

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS- PART A

DISPOSAL METHOD:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

SECTION 14: TRANSPORT INFORMATION- PART A

UNITED STATES TRANSPORTATION OF DANGEROUS GOODS (49 CFR DOT)

UN number	Not Regulated
UN proper shipping name	Not Regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

INTERNATIONAL MARITIME DANGEROUS GOODS (IMDG)

UN number	Not Regulated
UN proper shipping name	Not Regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

INTERNATIONAL AIR TRANSPORT ASSOCIATION DANGEROUS GOODS REGULATIONS (IATA-DGR)

UN number	Not Regulated
UN proper shipping name	Not Regulated
UN transport hazard class(es)	Not Regulated
Packing group	None
Environmental hazards	None
Special precautions for user	None

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TRANSPORT IN BULK ACCORDING TO ANNEX IL OF MARPOL73/78 AND THE IBC CODE

Bulk Name	None
Ship type	None
Pollution category	None

SECTION 15: REGULATORY INFORMATION- PART A

UNITED STATES REGULATIONS

INVENTORY LISTING (TSCA):

25068-38-6	Phenol, 4,4-(1-methylethylidene)bis-polymer with 2-(chloromethyl)oxiran	Listed
3101-60-8	P-tert-butylphenyl 1-(2,3-epoxy)propyl ether	Listed
14807-96-6	Talc Powder	Listed
65997-17-3	Glass, oxide, chemicals	Listed
13463-67-7	Titanium Dioxide	Listed

SIGNIFICANT NEW USE RULE (TSCA SECTION 5):

Not determined

EXPORT NOTIFICATION UNDER TSCA SECTION 12(B):

Not determined

SARA SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES:

None of the ingredients are listed.

SARA SECTION 313 TOXIC CHEMICALS:

25068-38-6	Phenol, 4,4-(1-methylethylidene)bis-polymer with 2-(chloromethyl)oxiran	Not Listed
3101-60-8	P-tert-butylphenyl 1-(2,3-epoxy)propyl ether	Not Listed
14807-96-6	Talc Powder	Not Listed
65997-17-3	Glass, oxide, chemicals	Not Listed
13463-67-7	Titanium Dioxide	Not Listed

CERCLA:

None of the ingredients are listed.

RCRA:

None of the ingredients are listed.

SECTION 112(R) OF THE CLEAN AIR ACT (CAA):

Not determined

MASSACHUSETTS RIGHT TO KNOW:

25068-38-6	Phenol, 4,4-(1-methylethylidene)bis-polymer with 2-(chloromethyl)oxiran	Not Listed
3101-60-8	P-tert-butylphenyl 1-(2,3-epoxy)propyl ether	Not Listed
14807-96-6	Talc Powder	Listed
65997-17-3	Glass, oxide, chemicals	Listed
13463-67-7	Titanium Dioxide	Listed

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SECTION 15: REGULATORY INFORMATION(Cont.)- PART A

NEW JERSEY RIGHT TO KNOW:

25068-38-6	Phenol, 4,4-(1-methylethylidene)bis-polymer with 2-(chloromethyl)oxiran	Not Listed
3101-60-8	P-tert-butylphenyl 1-(2,3-epoxy)propyl ether	Not Listed
14807-96-6	Talc Powder	Listed
65997-17-3	Glass, oxide, chemicals	Listed
13463-67-7	Titanium Dioxide	Listed

NEW YORK RIGHT TO KNOW:

25068-38-6	Phenol, 4,4-(1-methylethylidene)bis-polymer with 2-(chloromethyl)oxiran	Not Listed
3101-60-8	P-tert-butylphenyl 1-(2,3-epoxy)propyl ether	Not Listed
14807-96-6	Talc Powder	Not Listed
65997-17-3	Glass, oxide, chemicals	Not Listed
13463-67-7	Titanium Dioxide	Listed

PENNSYLVANIA RIGHT TO KNOW:

25068-38-6	Phenol, 4,4-(1-methylethylidene)bis-polymer with 2-(chloromethyl)oxiran	Not Listed
3101-60-8	P-tert-butylphenyl 1-(2,3-epoxy)propyl ether	Not Listed
14807-96-6	Talc Powder	Listed
65997-17-3	Glass, oxide, chemicals	Listed
13463-67-7	Titanium Dioxide	Listed

CALIFORNIA PROPOSITION 65:

None of the ingredients are listed.

SECTION 16: OTHER INFORMATION -PART A

DISCLAIMER:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and 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, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

NFPA:

2-0-0

HMIS:

2-0-0

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EPOXY PUTTY- SAND

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SECTION 1: IDENTIFICATION- PART B

PRODUCT NAME: EPOXY PUTTY- CHARCOAL
ADDITIONAL: PART A and PART B (integrated)
PRODUCT CODE: 8277,8277H

RECOMMENDED USE AND RESTRICTIONS ON USE

Not determined or not applicable.
Uses advised against: Not determined or not applicable.
Reasons why uses advised against: Not determined or not applicable.

COMPANY IDENTIFICATION

Manufacturer: J-B Weld Company, LLC
400 CMH Road, Sulphur Springs, TX 75482

Supplier / Distributor:
Native Trails
34 Zaca Ln., San Luis Obispo, CA 93401
800-786-0862

EMERGENCY PHONE: 1-800-424-9300 (CHEMTREC)

SECTION 2: HAZARDS IDENTIFICATION- PART B

GHS CLASSIFICATION: Eye irritation, category 2A
Skin irritation, category 2
Skin sensitization, category 1



SIGNAL WORD: WARNING

HAZARD STATEMENTS:

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

PRECAUTIONARY STATEMENTS:

P264 Wash skin and eyes thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection .
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
IF IN EYES:
P305+P351+P338 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 advice/attention
P321 Specific treatment (see supplemental first aid instructions on this label).
P362 Take off contaminated clothing and wash before reuse
IF ON SKIN:
P302+P352 Wash with plenty of soap and water.
P332+P313 If skin irritation occurs: Get medical advice/attention
P363 Wash contaminated clothing before reuse
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention
P501 Dispose of contents/container in accordance with local regulations.

HAZARDS NOT OTHERWISE CLASSIFIED:

None

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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS- PART B

Identification CAS #	Name	Weight %
14807-96-6	Talc Powder	< 20
112-24-3	Amine Mix	
13463-67-7	Titanium Dioxide	
65997-17-3	Glass Powder	< 15
7727-43-7	Barium Sulphate	< 15
68479-04-9	Amine complex	
26950-63-0	Polyamine	
57-55-6	Diluent	
72244-98-5	Curing Agent	
186898-76-0	Amine complex	

ADDITIONAL INFORMATION:

Fiberglass powder (CAS # 65997-17-3) is classified as a carcinogen in its inhalable form. Since the fiberglass powder in this product is not inhalable, the product itself is not classified as a carcinogen in the form presented.

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR 51910.1200).

SECTION 4: FIRST AID MEASURES- PART B

DESCRIPTION OF FIRST AID MEASURES

GENERAL NOTES:

Not determined or not applicable.

AFTER INHALATION:

Loosen clothing as necessary and position individual in a comfortable position
Maintain an unobstructed airway
Get medical advice/attention if you feel unwell

AFTER SKIN CONTACT:

Rinse affected area with soap and water
If symptoms develop or persist, seek medical attention
Take off all contaminated clothing
Gently blot or brush away excess product
Wash with plenty of lukewarm, gently flowing water
Get medical advice if skin irritation occurs or you feel unwell

AFTER EYE CONTACT:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes
If symptoms develop or persist, seek medical attention
Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open
Remove contact lenses, if present and easy to do so
Continue rinsing for 15-20 minutes
Get medical advice if eye irritation persists

AFTER SWALLOWING:

Rinse mouth thoroughly
Seek medical attention if irritation, discomfort, or vomiting persists

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SECTION 4: FIRST AID MEASURES- PART B (Cont.)

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

ACUTE SYMPTOMS AND EFFECTS:

Not determined or not applicable.

DELAYED SYMPTOMS AND EFFECTS:

Not determined or not applicable.

IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT

SPECIFIC TREATMENT:

Not determined or not applicable.

NOTES FOR THE DOCTOR:

Not determined or not applicable.

SECTION 5: FIRE FIGHTING MEASURES- PART B

EXTINGUISHING MEDIA:

SUITABLE EXTINGUISHING MEDIA:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition

UNSUITABLE EXTINGUISHING MEDIA:

Not determined or not applicable.

SPECIFIC HAZARDS DURING FIRE-FIGHTING:

Thermal decomposition can lead to release of irritating gases and vapors

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit

SPECIAL PRECAUTIONS:

Carbon monoxide and carbon dioxide may form upon combustion

Heating causes a rise in pressure, risk of bursting and combustion

SECTION 6: ACCIDENTAL RELEASE MEASURES- PART B

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES;

Ensure adequate ventilation

Ensure air handling systems are operational

Wear protective eye wear, gloves and clothing

ENVIRONMENTAL PRECAUTIONS:

Should not be released into the environment

Prevent from reaching drains, sewer or waterway

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

Wear protective eye wear, gloves and clothing

Sweep or scoop up solid material while minimizing dust generation

Dispose of contents / container in accordance with local regulations

REFERENCE TO OTHER SECTIONS:

Not determined or not applicable.

SECTION 7: HANDLING AND STORAGE- PART B

PRECAUTIONS FOR SAFE HANDLING:

Use only with adequate ventilation.

Avoid breathing dust.

Do not eat, drink, smoke or use personal products when handling chemical substances.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Keep container tightly sealed.

Keep container dry.

Store in a cool, well-ventilated area.

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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION- PART B

Only those substances with limit values have been included below.

OCCUPATIONAL EXPOSURE LIMIT VALUES:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
WE-EL	Diluent	57-55-6	WE-EL TWA 10.0 mg/m ³
	Amine Mix	112-24-3	WEE-L TWA 1.0 ppm
United States (OSHA)	Talc Powder	14807-96-6	OSHA PEL Ceiling 20 mppcf
	Titanium Dioxide	13463-67-7	OSHA PEL TWA 15 mg/m ³ (Total dust)
	Barium Sulphate	7727-43-7	OSHA PEL TWA 15 mg/m ³ (Total dust)
	Barium Sulphate	7727-43-7	OSHA PEL TWA 5 mg/m ³ (Respirable fraction)
ACGI+	Barium Sulphate	7727-43-7	ACGIH TLV TWA 510 mg/m ³ (inhalable fraction, particulate containing no asbestos and < 1% crystalline silica)
	Talc Powder	14807-96-6	ACGIH TLV TWA 2 mg/m ³ (Inhalable particulate matter containing no asbestos and < 1% crystalline silica)
	Titanium Dioxide	13463-67-7	ACGIH TLV TWA 10 mg/m ⁹
	Glass Powder	65997-17-3	8-Hour Exposure Limit (TCV- TWA)• 1 fibers/cm ³
NIOSH	Barium Sulphate	7727-43-7	NIOSH TWA 5.0 mg/m ³ (Respirable fraction)
	Talc Powder	14807-96-6	NIOSH REL TWA 2.0 mg/m ⁹
	Barium Sulphate	7727-43-7	N(OSH TWA 10.0 (Total dust)
	Titanium Dioxide	13463-67-7	IDLH: 5,000 mg/m ³
	Glass Powder	65997-17-3	NIOSH Recommended exposure limit (REL) [for up to a 10-hour workday during a 40- hour workweek] is: 3 fibers/cm ³

BIOLOGICAL LIMIT VALUES:

No biological exposure limits noted for the ingredient(s).

INFORMATION ON MONITORING PROCEDURES:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls. Biological monitoring may also be appropriate for some substances.

APPROPRIATE ENGINEERING CONTROLS:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

PERSONAL PROTECTION EQUIPMENT

EYE AND FACE PROTECTION:

Safety goggles or glasses, or appropriate eye protection

SKIN AND BODY PROTECTION:

Select glove material impermeable and resistant to the substance.
Wear appropriate clothing to prevent any possibility of skin contact.

RESPIRATORY PROTECTION:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION- (Cont.) PART B

GENERAL HYGIENIC MEASURES:

Avoid contact with skin, eyes, and clothing.
Wash hands before breaks and at the end of work.
Wash contaminated clothing before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES- PART B

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Very thick light yellow paste (solid)

ODOR

Not determined or not available.

ODOR THRESHOLD

Not determined or not available.

pH

Not determined or not available.

MELTING POINT/FREEZING POINT

Not determined or not available.

INITIAL BOILING POINT/RANGE

Not determined or not available.

FLASH POINT (CLOSED CUP)

107.78 0 C (226 0 F)

EVAPORATION RATE

Not determined or not available.

FLAMMABILITY (SOLID, GAS)

Not determined or not available.

UPPER FLAMMABILITY/EXPLOSIVE LIMIT

Not determined or not available.

LOWER FLAMMABILITY/EXPLOSIVE LIMIT

Not determined or not available.

VAPOR PRESSURE

Not determined or not available.

VAPOR DENSITY

Not determined or not available.

DENSITY

1.96 g/cm³

RELATIVE DENSITY

Not determined or not available.

SOLUBILITIES

Not determined or not available.

PARTITION COEFFICIENT (N-OCTANOL/WATER)

Not determined or not available.

AUTO/SELF-IGNITION TEMPERATURE

Not determined or not available.

DECOMPOSITION TEMPERATURE

Not determined or not available.

DYNAMIC VISCOSITY

Not determined or not available.

KINEMATIC VISCOSITY

Not determined or not available.

EXPLOSIVE PROPERTIES

Not determined or not available.

OXIDIZING PROPERTIES

Not determined or not available.

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SECTION 10: STABILITY AND REACTIVITY- PART B

REACTIVITY:

Does not react under normal conditions of use and storage.

CHEMICAL STABILITY:

Stable under normal conditions of use and storage.

POSSIBILITY OF HAZARDOUS REACTIONS:

None under normal conditions of use and storage.

CONDITIONS TO AVOID:

None known.

INCOMPATIBLE MATERIALS:

None known.

HAZARDOUS DECOMPOSITION PRODUCTS:

None known.

SECTION 11: TOXICOLOGICAL INFORMATION- PART B

ACUTE TOXICITY

ASSESSMENT:

Based on available data, the classification criteria are not met.

PRODUCT DATA:

No data available.

SKIN CORROSION/IRRITATION

ASSESSMENT:

Causes skin irritation.

PRODUCT DATA:

No data available.

SUBSTANCE DATA:

NAME

RESULT

Amine complex

Causes severe skin burns and eye damage.

Polyamine

Corrosive to the skin.

Amine Mix

Causes severe skin burns and eye damage.

SERIOUS EYE DAMAGE/IRRITATION

Assessment:

Causes serious eye irritation

Product data:

No data available

SUBSTANCE DATA:

NAME

RESULT

Polyamine

Corrosive effect on the eyes.

RESPIRATORY OR SKIN SENSITIZATION

ASSESSMENT:

May cause an allergic skin reaction

PRODUCT DATA:

No data available

SUBSTANCE DATA:

NAME

RESULT

Curing Agent

May cause an allergic skin reaction,

Polyamine

Sensitization possible through skin contact.

Amine Mix

May cause an allergic skin reaction,

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SECTION 11: TOXICOLOGICAL INFORMATION- (Cont.)PART B

CARCINOGENICITY

ASSESSMENT:

Based on available data, the classification criteria are not met.

PRODUCT DATA:

No data available.

SUBSTANCE DATA:

<u>NAME</u>	<u>SPECIES</u>	<u>RESULT</u>
Glass Powder	Not applicable	May cause cancer via inhalation.
Titanium Dioxide	Not applicable.	Airborne, unbound particles of respirable size are known to cause cancer.

INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC):

<u>NAME</u>	<u>CLASSIFICATION</u>
Glass Powder	Group 2B
Talc Powder	Group 3 - Not classifiable as to its carcinogenicity to humans
Titanium Dioxide	Group 2B

NATIONAL TOXICOLOGY PROGRAM (NTP):

<u>NAME</u>	<u>CLASSIFICATION</u>
Glass Powder	Reasonably anticipated to be human carcinogens

GERM CELL MUTAGENICITY

ASSESSMENT:

Based on available data, the classification criteria are not met.

PRODUCT DATA:

No data available.

SUBSTANCE DATA:

No data available.

REPRODUCTIVE TOXICITY

ASSESSMENT:

Based on available data, the classification criteria are not met.

PRODUCT DATA:

No data available.

SUBSTANCE DATA:

No data available.

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)

ASSESSMENT:

Based on available data, the classification criteria are not met.

PRODUCT DATA:

No data available.

SUBSTANCE DATA:

No data available.

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)

ASSESSMENT:

Based on available data, the classification criteria are not met.

PRODUCT DATA:

No data available.

SUBSTANCE DATA:

No data available.

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SECTION 11: TOXICOLOGICAL INFORMATION- (Cont.) PART B

ASPIRATION TOXICITY

ASSESSMENT:

Based on available data, the classification criteria are not met.

PRODUCT DATA:

No data available.

SUBSTANCE DATA:

NAME	RESULT
Amine complex	Harmful if swallowed.

INFORMATION ON LIKELY ROUTES OF EXPOSURE:

No data available.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:

No data available.

Other information:

No data available.

SECTION 12: ECOLOGICAL INFORMATION- PART B

ACUTE (SHORT-TERM) TOXICITY

ASSESSMENT:

Harmful to aquatic life

PRODUCT DATA:

No data available.

SUBSTANCE DATA:

NAME	RESULT
Amine Mix	LC50 - Daphnia magna (Water flea) - 33.9 mg/L - 48 h

CHRONIC (LONG-TERM) TOXICITY

ASSESSMENT:

Based on available data, the classification criteria are not met.

PRODUCT DATA:

No data available.

SUBSTANCE DATA:

NAME	RESULT
Curing Agent	NOEC - Daphnia magna (Water flea) - 3.5 mg/L - 21 d

PERSISTENCE AND DEGRADABILITY

PRODUCT DATA:

No data available.

SUBSTANCE DATA:

No data available.

BIOACCUMULATIVE POTENTIAL

PRODUCT DATA:

No data available.

SUBSTANCE DATA:

No data available.

MOBILITY IN SOIL

PRODUCT DATA:

No data available.

SUBSTANCE DATA:

No data available.

OTHER ADVERSE EFFECTS:

No data available.

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SECTION 13: DISPOSAL CONSIDERATIONS- PART B

DISPOSAL METHOD:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

SECTION 14: TRANSPORT INFORMATION- PART B

UNITED STATES TRANSPORTATION OF DANGEROUS GOODS (49 CFR DOT)

UN number	Not Regulated
UN proper shipping name	Not Regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

INTERNATIONAL MARITIME DANGEROUS GOODS (IMDG)

UN number	Not Regulated
UN proper shipping name	Not Regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None

INTERNATIONAL AIR TRANSPORT ASSOCIATION DANGEROUS GOODS REGULATIONS (IATA-DGR)

UN number	Not Regulated
UN proper shipping name	Not Regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

TRANSPORT IN BULK ACCORDING TO ANNEX IL OF MARPOL73/78 AND THE IBC CODE

Bulk Name	None
Ship type	None
Pollution category	None

SECTION 15: REGULATORY INFORMATION - PART B

UNITED STATES REGULATIONS INVENTORY LISTING (TSCA):

186898-76-0	Amine complex	Not Listed
57-55-6	Diluent	Listed
68479-04-9	Amine complex	Listed

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72244-98-5	Curing Agent	Listed
26950-63-0	Polyamine	Listed
112-24-3	Amine Mix	Listed
65997-17-3	Glass Powder	Listed
14807-96-6	Talc Powder	Listed
13463-67-7	Titanium Dioxide	Listed
7727-43-7	Barium Sulphate	Listed

SIGNIFICANT NEW USE RULE (TSCA SECTION 5):

Not determined

EXPORT NOTIFICATION UNDER TSCA SECTION 12(B):

Not determined

SARA SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES:

Not determined

SARA SECTION 313 TOXIC CHEMICALS:

186898-76-0	Amine complex	Not Listed
57-55-6	Diluent	Not Listed
68479-04-9	Amine complex	Not Listed
72244-98-5	Curing Agent	Not Listed
26950-63-0	Polyamine	Not Listed
112-24-3	Amine Mix	Not Listed
65997-17-3	Glass Powder	Not Listed
14807-96-6	Talc Powder	Not Listed
13463-67-7	Titanium Dioxide	Not Listed
7727-43-7	Barium Sulphate	Listed

CERCLA:

Not determined

RCRA:

Not determined

SECTION 112(R) OF THE CLEAN AIR ACT (CAA):

None of the ingredients are listed.

MASSACHUSETTS RIGHT TO KNOW:

186898-76-0	Amine complex	Not Listed
57-55-6	Diluent	Not Listed
68479-04-9	Amine complex	Not Listed
72244-98-5	Curing Agent	Not Listed
26950-63-0	Polyamine	Not Listed
112-24-3	Amine Mix	Listed

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65997-17-3	Glass Powder	Listed
14807-96-6	Talc Powder	Listed
13463-67-7	Titanium Dioxide	Listed
7727-43-7	Barium Sulphate	Listed

NEW JERSEY RIGHT TO KNOW:

186898-76-0	Amine complex	Not Listed
57-55-6	Diluent	Not Listed
68479-04-9	Amine complex	Not Listed
72244-98-5	Curing Agent	Not Listed
26950-63-0	Polyamine	Not Listed
112-24-3	Amine Mix	Listed
65997-17-3	Glass Powder	Listed
14807-96-6	Talc Powder	Listed
13463-67-7	Titanium Dioxide	Listed
7727-43-7	Barium Sulphate	Listed

NEW YORK RIGHT TO KNOW:

186898-76-0	Amine complex	Not Listed
57-55-6	Diluent	Not Listed
68479-04-9	Amine complex	Not Listed
72244-98-5	Curing Agent	Not Listed
26950-63-0	Polyamine	Not Listed
112-24-3	Amine Mix	Not Listed
65997-17-3	Glass Powder	Not Listed
14807-96-6	Talc Powder	Not Listed
13463-67-7	Titanium Dioxide	Listed
7727-43-7	Barium Sulphate	Listed

PENNSYLVANIA RIGHT TO KNOW:

186898-76-0	Amine complex	Not Listed
57-55-6	Diluent	Not Listed
68479-04-9	Amine complex	Not Listed
72244-98-5	Curing Agent	Not Listed
26950-63-0	Polyamine	Not Listed
112-24-3	Amine Mix	Listed
65997-17-3	Glass Powder	Listed
14807-96-6	Talc Powder	Listed

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13463-67-7	Titanium Dioxide	Listed
7727-43-7	Barium Sulphate	Listed

CALIFORNIA PROPOSITION 65:

None of the ingredients are listed.

SECTION 16: OTHER INFORMATION- PART B

DISCLAIMER:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and 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, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

NFPA:

2-0-0

HMIS:

2-0-0