



SAFETY DATA SHEET

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

1.1 Product identifier

Trade name: CBC 6 Bonding Agent A Component

1.2 Relevant identified uses of the substance or mixture and uses advised against

Uses of the Substance/Mixture: Epoxy resin (for further information refer to the product technical datasheet)

1.3 Details of the supplier of the safety data sheet

Company: Pilgrim Permocoat, Inc.
402 S 22nd Street
Tampa, Florida 33605

Date prepared: 6/27/22

1.4 Telephone

Emergency telephone number: 813-248-3328
Chemtrec 800 262 8200

2. Hazards identification

GHS classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity, Oral (Category 4), H302
Acute toxicity, Dermal (Category 4), H312
Serious eye damage (Category 1), H318
Skin sensitization (Category 1), H317
Acute aquatic toxicity (Category 3), H402
Chronic aquatic toxicity (Category 2), H411

GHS label elements



Hazard pictograms/symbols

2.1 Emergency overview

Appearance: White to yellow liquid
Signal Word: Danger

Hazard Statement(s): H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H315: Causes skin irritation.
H317: May cause allergic skin reaction.
H318: Causes serious eye damage.
H332: Harmful if inhaled.
H411: Toxic to aquatic life with long lasting effects.

Precautionary Statement(s): P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P264: Wash thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P272: Contaminated work clothing should not be allowed out of workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response: P301+P312: IF SWALLOWED: call a POISON center or doctor/physician if you feel unwell.
P330: Rinse mouth.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: get medical advice/attention.
P332+P313: If skin irritation or rash occurs: Get medical advice/attention.
P363: Wash contaminated clothing before reuse.
P391: Collect spillage.

Disposal: P501: Dispose of contents/container to an approved waste disposal plant.

2.2 Potential health effects

Inhalation effect: At room temperature, exposure to vapor is minimal due to low volatility. Vapor from heated material or mist may cause respiratory irritation.

Skin effect: Brief contact is essentially nonirritating to skin. Repeated contact may cause skin irritation with local redness. Prolonged contact may cause severe skin irritation with local redness and discomfort. Prolonged skin contact is unlikely to result in absorption of harmful amounts. A component of this mixture has caused allergic skin sensitization in guinea pigs.

Eye effect: May cause moderate eye irritation which may be slow to heal.

Ingestion effect: Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury. Based on physical properties, not likely to be an aspiration hazard.

Chronic effects: This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater.

2.3 Other hazards

No information available

3. Composition/information on ingredients

3.1 Information on components and impurities

Hazardous ingredients and impurities:

Chemical name	CAS number(s)	Concentration, %
Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers	25085-99-8	60 ~ 100 %
1,4-Bis(2,3-epoxypropyloxy)butane	2425-79-8	10 ~ 30 %

Non-hazardous ingredients and impurities:

Chemical name	CAS number(s)	Concentration, %

4. First aid measures

4.1 Description of first-aid measures

General advice: First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to section 8 for specific personal protective equipment.

If inhaled: Remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

Skin contact: Remove material from skin immediately by washing with soap and plenty of water. Remove contaminated clothing and shoes while washing. Seek medical attention if irritation persists. Wash clothing before reuse. Discard items which cannot be decontaminated, including leather articles such as shoes, belts and watchbands.

Eye contact: Immediately flush eyes with water; remove contact lenses, if present, after the first 5 minutes, then continue flushing eyes for at least 15 minutes. Obtain medical attention without delay, preferably from an ophthalmologist. Suitable eye wash facility should be immediately available.

Ingestion: If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

4.2 Most important symptoms and effects, both acute and delayed

Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Note to physician: No specific antidote. All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically.

5. Firefighting measures

Flash Point and Method: ≥194°C @ 1013hPa (ASTM D93)

Flammability class: Not Flammable

Autoignition temperature: No information available

Flammability/Explosive limit: No information available

5.1 Extinguishing media

Suitable extinguishing media: Water fog or fine spray. Dry chemical fire extinguishers. Foam. Alcohol-resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective.

Unsuitable extinguishing media: Do not use direct water stream. May spread fire.

5.2 Special hazards arising from the substance or mixture

Container may rupture on heating. During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: phenolic compounds, carbon monoxide and carbon dioxide. Dense smoke is emitted when burned without sufficient oxygen.

5.3 Advice for firefighters

As in any fire, wear NIOSH/MSHA approved, positive pressure self-contained breathing apparatus (SCBE) and full Protective gear. Fight fire from protected location at safe distance. Move containers from area if it can be done without risk. Cool fire-exposed containers with water from side. Contain the extinguishing fluids by diking, do not let run off from firefighting to enter drains or water courses.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use self-contained breathing apparatus and chemically protective clothing. Wear suitable protective clothing, gloves and eye/face protection. Evacuate personnel to safe areas. Only trained and properly protected personnel must be involved in clean-up operations. For additional information, refer to Section 8, Exposure controls and personal protection.

6.2 Environmental precautions

Dike to prevent run of and do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Contain spilled material if possible. Absorb with materials such as: Milsorb®, sand, polypropylene fiber products, polyethylene fiber products. Remove residual with soap and hot water. Collect in suitable and properly labeled containers. Residual can be removed with solvent. Solvents are not recommended for clean-up unless the recommended exposure guidelines and safe handling practices for the specific solvent are followed. Consult the Safety Data Sheet for safe handling, exposure guidelines and disposal considerations.

Disposal: Dispose of in accordance with local regulations.

Additional advice: Spill area may be slippery.

7. Handling and storage

7.1 Handling

Avoid contact with skin and eyes. Avoid breathing vapor or mist. Avoid prolonged or repeated contact with skin. Keep container closed. Use with adequate ventilation. Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Avoid contact with eyes. Use personal protective equipment. When using, do not eat, drink or smoke.

7.2 Storage

Keep containers closed in a dry, cool and well-ventilated place. Store between 2 ~ 43°C

7.3 Technical measures / precautions

Keep from freezing.

8. Exposure controls/personal protection

Introductory remarks:

These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 13: Disposal considerations. Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers

8.1 Control parameters

Components with workplace control parameters: None established.

Biological occupational exposure limits: None established.

8.2 Exposure controls Control measures

Engineering measures: Provide readily accessible eye wash stations and safety showers. Provide natural ventilation to ensure concentrations are kept below exposure limits.

Personal protective equipment

Respiratory protection:	Wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. For most conditions, no respiratory protection should be needed; however, if material is heated or sprayed, use an approved air-purifying respirator. The following should be an effective type of air-purifying respirator; organic vapor cartridge with a particulate pre-filter.
Hand protection:	Butyl rubber, nitrile rubber, neoprene or impervious gloves. The breakthrough time of the selected gloves must be greater than the intended use period.
Eye protection:	Full face shield with goggles underneath. Chemically resistant goggles must be worn.
Skin and body protection:	Impervious clothing, full rubber suit (rain gear), plastic or rubber boots, long sleeve shirt and trousers with cuffs.
Environmental exposure:	Construct a dike to prevent spreading. Do not flush into surface water or sanitary sewer system.
Special Instructions:	Discard contaminated leather articles. Wash at the end of each work shift and before eating, smoking and using the toilet. Provide readily accessible eye wash stations and safety showers.

9. Physical and chemical properties

Physical and chemical properties listed represent typical properties and should not be considered product specifications. Refer to product Certificate of Analysis for Product Specifications or contact Alpine Chemical Inc. for additional information.

9.1 Information on basic physical and chemical properties

Appearance:	Clear liquid
Odor:	Characteristic
Vapor pressure:	5 hPa @ 50°C
Specific gravity:	1.15 calculated
Density:	980 kg/m ³ at 20°C
Flash point:	≥ 194°C
Water solubility:	≥ Slightly

10. Stability and reactivity

10.1 Chemical stability

Stable under normal conditions

10.2 Possibility of hazardous reactions

Hazardous polymerization does not occur. Masses of more than one pound of product plus an aliphatic amine will cause irreversible polymerization with considerable heat build-up.

10.3 Conditions to avoid

Keep away from sources of ignition. Avoid temperatures above 300°C. Potentially violent decomposition can occur above 350°C. Generation of gas can cause pressure in closed systems. Pressure build up can be rapid.

10.4 Incompatible materials

Avoid contact with oxidizing materials. Avoid contact with acids and bases. Avoid unintended contact with amines.

- 10.5 Hazardous decomposition products**
Gases are released during decomposition. Uncontrolled exothermic reaction of epoxy resins release phenolic compounds, carbon monoxide and water.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral: LD₅₀ ≥ 2,000 mg/kg, species was rat
 Acute dermal: LD₅₀ ≥ 2,000 mg/kg, estimated
 Acute inhalation: No further data
 Acute toxicity (other routes of administration): No further data

Skin corrosion/irritation

Skin irritation: Prolonged contact may cause severe skin irritation

Serious eye damage/eye irritation

Eye irritation: May cause moderate eye irritation which may be slow to heal

Respiratory or skin sensitization

Sensitization: May cause sensitization by skin contact (guinea pig) and allergic skin reactions

Chronic health hazard

Not classified as a carcinogen

12. Ecological information

12.1 Toxicity

Aquatic toxicity (CAS# 25085-99-8): LC₅₀ (96h): 2 mg/L.
 Species: Oncorhynchus mykiss (rainbow trout)
 EC₅₀ (48h): 1.8 mg/L
 Species: Daphnia magna (Water flea)
 EC₅₀ (72h): 11 mg/L
 Species: Scenedesmus capricornutum (fresh water algae)

Aquatic toxicity (CAS# 2425-79-8): LC₅₀ (96h): 19.8 mg/L.
 Species: Danio rerio (zebra fish)
 EC₅₀ (48h): 75 mg/L
 Species: Daphnia magna (Water flea)
 EC₅₀ (72h): 160 mg/L
 Species: Pseudokirchneriella subcapitata (green algae)

12.2 Persistence and degradability

Biodegradation: Not readily biodegradable
 Bioaccumulation potential: Moderate potential

12.3 Mobility in soil

Very high for 1,4-Bis(2,3-epoxypropyloxy)butane

12.4 Results of PBT and vPvB assessment

No information available

13. Disposal considerations

13.1 Waste treatment methods

Product disposal: Observe all applicable federal, state, and local regulations.
 Packaging: Remove all residue when emptying.

14. Transportation information

DOT Hazard Classification:

14.1 UN Number: UN 3082
 14.2 Dangerous Good Description: Environmentally Hazardous Substance, Liquid, n.o.s.
 14.3 Transport hazard class: 9
 14.4 Packing group: III
 14.5 Environmental hazards: Yes
 14.6 Special precautions for user: For personal protection see Section 8

Further Information

Not classified as dangerous in the meaning of transport regulations. The transportation information is not intended to convey all specific regulatory data relating to this material. For complete transportation information, contact Pilgrim Permocoat, Inc. directly.

15. Regulatory information

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

Notification status:

Country	Regulatory list	Notification
USA	TSCA	Listed or in compliance with the requirements the inventory
Canada	DSL	Listed or in compliance with the requirements the inventory
EU	EINECS	Listed or in compliance with the requirements the inventory
Mexico	INSQ	Listed or in compliance with the requirements the inventory
Australia	AICS	Listed or in compliance with the requirements the inventory
China	IECSC	Listed or in compliance with the requirements the inventory
Korea	ECL	Listed or in compliance with the requirements the inventory
New Zealand	NZIoC	Listed or in compliance with the requirements the inventory
Philippines	PICCS	Listed or in compliance with the requirements the inventory

OSHA Hazard Communication Standard (26 CFR 1910.1200):

Hazard class(es): Corrosive, sensitizer

15.2 Section 312 (40 CFR 720.30) Hazard Classification: Exempt**15.3** EPA SARA Title III Section 313 (40 CFR 372): Component(s) above "de minimus" level: None**15.4** US. California Safe Drinking Water & Toxic Enforcement (Proposition 65):
This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any other harm.**15.5** WHMIS Hazard Classification:
D2B – Eye or skin irritant
D2B – Skin sensitizer.

16. Other information

NFPA-Classification

Health: 3 moderate
Flammability: 1 high
Instability or Reactivity: 0 minimal

HMIS-Classification

Health: 3 moderate
Flammability: 1 high
Reactivity: 0 minimal
HMIS PPE B

Hazard ratings: 4=Extreme, 3=High, 2=Moderate, 1=Slight, 0=Insignificant

Personal Protective Equipment (PPE): B=Safety Glasses, Gloves

Key or legend to abbreviations and acronyms used in the safety data sheetACGIH: American Conference of Governmental Industrial Hygienists
OSHA: Occupational Safety and Health Administration
WHMIS: Workplace Hazardous Materials Information System
NTP: National Toxicology Program
IARC: International Agency for Research on Cancer
NIOSH: National Institute for Occupational Safety and Health
NFPA: National Fire Protection Association
HMIS: Hazardous Materials Identification System
CPR: Controlled Products Regulations

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name : CBC 6 Bonding Agent B Component

Product Use Description : Curing Agent

Manufacturer/Importer/Distributor : Pilgrim Permocoat, Inc.
402 S 22ND STREET
TAMPA, FLORIDA 33605

Telephone : 813-248-3328

Emergency telephone number (24h) : Chemtrec 800 262 8200

2. HAZARDS IDENTIFICATION

GHS classification

Skin corrosion - Category 1B
Serious Eye Damage - Category 1
Skin sensitization - Category 1

GHS label elements

Hazard pictograms/symbols



Signal Word: Danger

Hazard Statements:

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

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Precautionary Statements:

- Prevention : P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
- Response : P301+P330+P331 : IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 : IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 : Immediately call a POISON CENTRE or doctor/physician.
P333+P313 : If skin irritation or rash occurs: Get medical advice/attention.
P363 : Wash contaminated clothing before reuse.
- Disposal : P501: Disposal of contents/container to be specified in accordance with regulations.

Hazards not otherwise classified

Corrosive
Severe eye irritant.
Severe respiratory irritant.
Severe skin irritant.
May cause sensitization by skin contact.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Concentration (Weight)
Tofa, reaction products with TEPA	68953-36-6	> 85%
Tetraethylenepentamine	112-57-2	< 15 %

CHEMICAL FAMILY: Amidoamine.

4. FIRST AID MEASURES

- General advice : Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.
- Eye contact : Hold eyelids apart, initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour.
- Skin contact : Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay. Initiate and maintain continuous irrigation until the patient receives medical care. If medical care is not promptly available,

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continue to irrigate for one hour. Cover wound with sterile dressing. Take off contaminated clothing and shoes immediately. Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay. Flush immediately with copious amounts of water. Initiate and maintain continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour. Cover wound with sterile dressing. Take off contaminated clothing and shoes immediately.

Ingestion : Do not induce vomiting without medical advice. If a person vomits when lying on his back, place him in the recovery position. Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victim's head to the side.

Inhalation : If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately. Move to fresh air.

Most important symptoms/effects - acute and delayed : Repeated and/or prolonged exposure to low concentrations of vapors and/or aerosols may cause: Sore throat. Eye disease. Skin disorders and Allergies. Asthma.

Immediate Medical Attention and Special Treatment

Treatment : NOTE TO PHYSICIANS: Application of corticosteroid cream has been effective in treating skin irritation. NOTE TO PHYSICIANS: Application of corticosteroid cream has been effective in treating skin irritation.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Alcohol-resistant foam.
Carbon dioxide (CO₂).
Dry chemical.
Dry sand.
Limestone powder.

Specific hazards : Ammonia gas may be liberated at high temperatures. In case of incomplete combustion an increased formation of oxides of nitrogen (NO_x) is to be expected. Incomplete combustion may form carbon monoxide. May generate ammonia gas. May generate toxic nitrogen oxide gases. Burning produces noxious and toxic fumes. Downwind personnel must be evacuated.

Special protective equipment for fire-fighters : Avoid contact with the skin. A face shield should be worn. Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.

Further information : Do not allow run-off from fire fighting to enter drains or water courses., Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

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Personal Precautions, Protective Equipment, and Emergency Procedures	: Use self-contained breathing apparatus and chemically protective clothing. Evacuate personnel to safe areas.
Environmental precautions	: Use appropriate containment to avoid environmental contamination. Do not allow spill to enter into sewers or waterways. Construct a dike to prevent spreading.
Methods for cleaning up	: Contact Air Products' Emergency Response Center for advice. Approach suspected leak areas with caution. Place in appropriate chemical waste container.
Additional advice	: Open enclosed spaces to outside atmosphere. If possible, stop flow of product.

7. HANDLING AND STORAGE

Handling

Do not use sodium nitrite or other nitrosating agents in formulations containing this product. Suspected cancer-causing nitrosamines could be formed. Use only in well-ventilated areas. Avoid breathing vapors and/or aerosols. Avoid contact with skin and eyes. Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Avoid contact with eyes. Use personal protective equipment. When using, do not eat, drink or smoke.

Storage

Do not store near acids. Keep containers tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures

Provide readily accessible eye wash stations and safety showers.
Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits.

Personal protective equipment

Respiratory protection	: Wear appropriate respirator when ventilation is inadequate.
Hand protection	: Butyl-rubber Nitrile rubber. Neoprene gloves. Impervious gloves. Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Eye protection	: Full face shield with goggles underneath. Chemical resistant goggles must be worn.
Skin and body protection	: Slicker Suit.

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Impervious clothing.
Full rubber suit (rain gear).
Rubber or plastic boots.
Long sleeve shirts and trousers without cuffs.

Environmental exposure controls : Use appropriate containment to avoid environmental contamination. Do not allow spill to enter into sewers or waterways.

Special instructions for protection and hygiene : Discard contaminated leather articles. Wash hands at the end of each workshift and before eating, smoking or using the toilet. Discard contaminated leather articles. Wash hands at the end of each workshift and before eating, smoking or using the toilet. Provide readily accessible eye wash stations and safety showers.

Exposure limit(s)

Tetraethylenepentamine	Time Weighted Average (TWA): WEEL	1 ppm	5 mg/m3
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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Liquid. Amber.

Odor : Irritating.

Odor threshold : No data available.

pH : Alkaline.

Melting point/range : No data available.

Boiling point/range : > 36,831 °F (> 204,44 °C)

Flash point : 383 °F (195 °C)

Evaporation rate : No data available.

Flammability (solid, gas) : Not applicable.

Upper/lower explosion/flammability limit : Not applicable.

Vapor pressure : < 20.68 mmHg at 70 °F (21 °C)

Water solubility : Slightly soluble.

Relative vapor density : Not applicable.

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Relative density	: 0.95 (water = 1)
Partition coefficient (n-octanol/water)	: No data available.
Auto-ignition temperature	: No data available.
Decomposition temperature	: No data available.
Viscosity	: No data available.
Molecular Weight	: No data available.
Density	: 59.307 lb/ft ³ (0.95 g/cm ³) at 70 °F (21 °C)

10. STABILITY AND REACTIVITY

Chemical Stability	: Stable under normal conditions.
Conditions to avoid	: No data available.
Materials to avoid	: CAUTION! N-Nitrosamines, many of which are known to be potent carcinogens, may be formed when the product comes in contact with nitrous acid, nitrites or atmospheres with high nitrous oxide concentrations. Nitrous acid and other nitrosating agents. Organic acids (i.e. acetic acid, citric acid etc.). Mineral acids. Sodium hypochlorite. Product slowly corrodes copper, aluminum, zinc and galvanized surfaces. Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion. Oxidizing agents.
Hazardous decomposition products	: Nitric acid. Ammonia Nitrogen oxides (NO _x). Nitrogen oxide can react with water vapors to form corrosive nitric acid. Carbon monoxide. Carbon dioxide (CO ₂). Nitrosamine.
Possibility of hazardous Reactions/Reactivity	: No data available.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Likely routes of exposure

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- Effects on Eye : Causes eye burns. May cause blindness. Severe eye irritation.
- Effects on Skin : Causes skin burns.
- Inhalation Effects : Harmful if inhaled and may cause delayed lung injury. Can cause severe eye, skin and respiratory tract burns. Risk of serious damage to the lungs (by inhalation). May cause nose, throat, and lung irritation. Inhalation of aerosol may cause irritation to the upper respiratory tract. Inhalation of vapors and/or aerosols in high concentration may cause irritation of respiratory system.
- Ingestion Effects : If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.
- Symptoms : Repeated and/or prolonged exposure to low concentrations of vapors and/or aerosols may cause: Sore throat. Eye disease., Skin disorders and Allergies., Asthma.

Acute toxicity

- Acute Oral Toxicity : LD50 : > 2,000 mg/kg Species : Rat. Method : Estimated.
- Inhalation : No data is available on the product itself.
- Acute Dermal Toxicity : LD50 : 8,550 mg/kg Species : Rabbit.
- Skin corrosion/irritation : Severe skin irritation.
- Serious eye damage/eye irritation : Severe eye irritation.
- Sensitization. : May cause sensitization by skin contact. Sensitization has occurred in laboratory animals after repeated exposures.

Chronic toxicity or effects from long term exposures

- Carcinogenicity : No data available.
- Reproductive toxicity : No data is available on the product itself.
- Germ cell mutagenicity : This product or a component was mutagenic in a bacterial assay. This product or a component did not cause chromosome damage in an in vivo micronucleus assay.
- Specific target organ systemic toxicity (single exposure) : No data available.
- Specific target organ systemic toxicity (repeated exposure) : No data available.

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Aspiration hazard : No data available.

Delayed and Immediate Effects and Chronic Effects from Short and Long Term Exposure

This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater. Prolonged contact may result in chemical burns and permanent damage., May cause allergic skin reaction. Eye disease., Skin disorders and Allergies., Asthma.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Aquatic toxicity : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Toxicity to other organisms : No data available.

Persistence and degradability

Biodegradability : No data is available on the product itself.

Mobility : No data available.

Bioaccumulation : No data is available on the product itself.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products : The product should not be allowed to enter drains, water courses or the soil; dispose of this material and its container in a safe way. Contact supplier if guidance is required.

Contaminated packaging : Dispose of container and unused contents in accordance with federal, state, and local requirements.

14. TRANSPORT INFORMATION

DOT

UN/ID No. : UN2735

Proper shipping name : Amines, liquid, corrosive, n.o.s., (Aliphatic amine, Polyamidoamine)

Class or Division : 8

Packing group : III

Label(s) : 8

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Marine Pollutant : No

IATA

UN/ID No. : UN2735
Proper shipping name : Amines, liquid, corrosive, n.o.s., (Aliphatic amine, Polyamidoamine)
Class or Division : 8
Packing group : III
Label(s) : 8
Marine Pollutant : Yes

** NOTE: This product contains a substance that: 1) is regulated as a Marine Pollutant, or 2) meets the definition of toxic to the aquatic environment.

IMDG

UN/ID No. : UN2735
Proper shipping name : AMINES, LIQUID, CORROSIVE, N.O.S., (Aliphatic amine, Polyamidoamine)
Class or Division : 8
Packing group : III
Label(s) : 8
Marine Pollutant : Yes

** NOTE: This product contains a substance that: 1) is regulated as a Marine Pollutant, or 2) meets the definition of toxic to the aquatic environment.

TDG

UN/ID No. : UN2735
Proper shipping name : AMINES, LIQUID, CORROSIVE, N.O.S., (Aliphatic amine, Polyamidoamine)
Class or Division : 8
Packing group : III
Label(s) : 8
Marine Pollutant : No

Further Information

The transportation information is not intended to convey all specific regulatory data relating to this material. For complete transportation information, contact an PILGRIM customer service representative.

15. REGULATORY INFORMATION

Toxic Substance Control Act (TSCA) 12(b) Component(s):

None.

Safety Data Sheet

Version 5.1

Revision Date 01/26/2022

Country	Regulatory list	Notification
USA	TSCA	Included on Inventory.
EU	EINECS	Included on EINECS inventory or polymer substance, monomers included on EINECS inventory or no longer polymer.
Canada	DSL	Included on Inventory.
Australia	AICS	Included on Inventory.
Japan	ENCS	Included on Inventory.
South Korea	ECL	Included on Inventory.
China	SEPA	Included on Inventory.
Philippines	PICCS	Included on Inventory.

EPA SARA Title III Section 312 (40 CFR 370) Hazard Classification
Acute Health Hazard

EPA SARA Title III Section 313 (40 CFR 372) Component(s) above 'de minimus' level
None.

US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)
This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other harm.

16. OTHER INFORMATION

HMIS Rating

Health : 3

Flammability : 1

Physical hazard :

0

Prepared by : Pilgrim Permocoat, Inc.

Telephone :813-248-3328 Corporate

Preparation Date : 03/07/2018