

SAFETY DATA SHEET

This Safety Data Sheet (SDS) complies with the requirements of the U.S. Federal Occupational Safety and Health Administration Hazard Communication 29 CFR 1910.1200 (g)(2) as revised March 6, 2012.

1. IDENTIFICATION OF THE PRODUCT & COMPANY

Product Name: BARRICADE™ Concrete Repair Carbon Fiber Strip

Intended Use: Repair straps

Company Identification: AGT Products INC.
Address: 2311 Royal Windsor Drive
Mississauga, ON L5J1K5
Telephone: 1-855-872-3996

Emergency Information: Medical Emergency Telephone Number:
1-888-684-3889 Non-Emergency Telephone Numbers:

2. HAZARD IDENTIFICATION

Physical Hazards:

| | |
|------|--|
| None | |
|------|--|

Health and Environmental Hazards:

| | |
|------|--|
| None | |
|------|--|

This product is not classified under 29 CFR 1910.1200.

Required Label Elements: None Required

Signal Word: None Required

Hazard Statements: None Required

Precautionary Statements: This product may release carbon fibers into the skin if handled. This may cause significant skin irritation which may last for hours or a few days. Avoid direct contact with skin.

Prevention: Wear protective gloves when handling this product.

Response: If the skin becomes irritated after handling this product, gently wash with soap and water to help remove fibers. Apply a lotion and avoid scratching the irritated area. Symptoms usually subside after several hours to a few days.

Storage and Disposal: None Required

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Component | CAS Number | Classification | Percentage |
|-------------------------|------------|----------------|------------|
| No Hazardous Components | | | |

4. FIRST AID MEASURES

Eyes: No first aid measures typically required

Skin: If the skin becomes irritated after handling this product, gently wash with soap and water to help remove fibers. Apply a lotion and avoid scratching the irritated area. Symptoms usually subside after several hours to a few days.

Ingestion: Non-toxic. May present a choking hazard.

Inhalation: No first aid measures typically required.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media: Water, mist, fog, dry chemical, carbon dioxide, foam

5.2 Special Hazards Arising from the Substance/Mixture: Product may generate toxic or corrosive gasses if burned. Use appropriate respiratory protection.

5.3 Advice for Fire Fighters: Wear full protective gear and self-contained breathing apparatus (SCBA) for significant fires.

5.4 Additional Information: None

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions: Avoid contact with eyes and skin.

6.2 Environmental Precautions: Do not discharge into soil or aquatic environment

6.3 Methods for Containment/Clean-Up: Pick up. Dispose properly in trash.

7. HANDLING AND STORAGE

7.1 Handling: No special handling is required. Avoid eye and skin contact. Use impervious gloves to avoid skin irritation.

7.2 Storage: No special conditions required.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Exposure Limit Values:

| Chemical | Exposure Limit | Source |
|----------|----------------|--------|
| None | | |

8.2 Exposure Controls: None required under normal use scenario.

8.3 Personal Protection: Use impervious gloves when handling this product to minimize skin irritation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Black Woven Fabric

Odor: None

pH: Not applicable (non-aqueous)

Melting Point/Freezing Point: Not Determined

Boiling Point: Not Determined

Flash Point: Not Determined

Evaporation Rate: Not Determined

Flammability: Not Determined

Upper/Lower Flammability Limits: Not Determined

Vapour Pressure: Not Determined

Vapour Density: Not Determined

Relative Density: Not Determined

Solubilities: Insoluble in water

Partition Coefficient (n-Octanol-Water): Not Determined

Autoignition Temperature: Not Determined **Decomposition**

Temperature: Not Determined

Viscosity: Not Determined

Explosive Properties: Not explosive

Oxidizing Properties: Not an oxidizer

Other: Not a VOC

10. STABILITY AND REACTIVITY

Stability: Stable

Reactivity: Incompatibility: Oxidizing agents, strong acids and bases.

11. TOXICOLOGICAL INFORMATION

This product is non-toxic.

12. ECOLOGICAL INFORMATION

This product is non-hazardous to the environment

13. DISPOSAL CONSIDERATIONS

Dispose in compliance with federal state and local regulations.

14. TRANSPORTATION INFORMATION

DOT: Not Regulated

15. REGULATORY INFORMATION

All components of this product are on the TSCA inventory.

Superfund Amendments and Reauthorization Act:
Hazard Categories Immediate Hazard: No
Delayed Hazard: No
Fire Hazard: No
Pressure Hazard: No
Reactivity Hazard: No

Prop 65: This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

16. OTHER INFORMATION

Date Prepared: 20 May 2017
Version: 1.0

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

SAFETY DATA SHEET

BARRICADE™ Concrete Repair Saturant-Adhesive Epoxy | Revision Date 22/6/2022

2311 Royal Windsor Drive
Mississauga, ON L5J 1K5
P: 1-855-872-3996
E: help@barricadesubfloor.com

01

01: PRODUCT & COMPANY IDENTIFICATION

Product Name: BARRICADE™ Concrete Repair Saturant-Adhesive Epoxy
Common Name: Polyamine
Company Address: 2311 Royal Windsor Drive
Mississauga, Ontario, Canada L5J 1K5
P: 1-855-872-3996
E: help@barricadesubfloor.com

Chemical Family: Polyamine
Synonyms: Amines Liquid Corrosive
Product Use: Epoxy Bonding Agent
Emergency Phone: CHEMTREC 1 800 424 9300

02: HAZARDS IDENTIFICATION

GH Classification

| HEALTH HAZARD | CATEGORY |
|--------------------|----------|
| Skin Corrosion | 1B |
| Serious Eye Damage | 1 |
| Skin Sensitization | 1 |

Hazard Statement

H314: Causes severe skin burns and eye damage
H317: May cause an allergic skin reaction

Precautionary Statement

Inhalation: Harmful if inhaled and may cause delayed lung injury. Can cause severe respiratory tract burns. Risk of serious damage to the lungs. May cause nose, throat and lung irritation. Inhalation of vapors and/or aerosols in high concentration may cause irritation of respiratory system.

Skin Contact: Causes skin burns.

Eye Contact: Causes eye burns. May cause blindness. Severe eye irritation.

Ingestion: If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach.

Prolonged exposure: Repeated and/or prolonged exposure to low concentrations of vapors and/or aerosols may cause: Sore throat, Eye disease, Skin Disorders and Allergies.

03: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:

| Cas# | Chemical Name | % | OSHA PEL | ACGUH TLV |
|---------------------|---------------------------------------------------------|------|----------|-----------|
| Component A | | | | |
| 25085-99-8 | Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers | >80% | NE | NA |
| 68609-97-2 | Aliphatic Glycidyl Ether <20% NE NE | | | |
| CE330 Part B | | | | |
| 84852-15-3 | Nonylphenol | >40% | NE | NE |
| 140-31-8 | Aminoethylpiperazine | <10% | NE | NE |
| 9046-10-0 | Polyoxypropylenediamine | <30% | NE | NE |
| 90-72-2 2,4,6 | Tri (dimethylaminomethyl)phenol | <10% | 10 mg/m3 | 5 mg/m3 |
| 112-24-3 | Triethylenetetramine | <10% | NE | NE |

None of the remaining components are considered a hazardous material or carcinogen (1910.1200 Hazard Communication (d) 4.)

NE= Not Established NA=Not Applicable

04: 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.

Inhalation: If respiratory irritation occurs, go to fresh air, flood work area with fresh air. If irritation continues seek medical attention.

Skin Contact: Remove contaminated clothing and shoes. Wash affected area(s) thoroughly with soap and water. If irritation persists, seek medical attention. SOLVENTS SHOULD NOT BE USED because they carry the irritant into the skin.

Eye Contact: Flush the eyes with plenty of water for at least 15 minutes. If necessary, gently hold eyelids open during the flush. Immediately seek medical attention.

Ingestion: Obtain immediate medical attention. Do not induce vomiting. Should vomiting occur, be sure to keep victim's head below hips to avoid aspiration of vomit into the lungs.

05: FIRE FIGHTING MEASURES

Special Fire Fighting Procedures: none. Avoid breathing smoke. NFPA Class B-C extinguisher (dry chemical or foam) for class 1C fires. Water spray may be ineffective on fire but can protect fire-fighters and cool closed containers. Use fog nozzles if water is used. Use supplied breathing masks.

Protection of firefighters: Fire may produce irritating, corrosive and/or toxic gases. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots and in enclosed spaces SCBA. Structural firefighters protective clothing will only provide limited protection.



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02

06: ACCIDENTAL RELEASE MEASURES

| | |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal Precautions: | Keep people away from and upwind of spill/leak. Avoid inhalation of vapors and spray mists. Keep out of low areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Follow facility/company's emergency plans. |
| Small Spills: | Absorb with an inert material (sand, vermiculite). Sweep or scoop up and put into disposal containers. Flush area immediately with water (prevent water from entering waterways). |
| Large Spills: | Dike area far ahead of liquid spill for later disposal. Do not release into sewers or waterways. Absorb with an inert material (sand, vermiculite). Sweep or scoop up into disposal containers. Flush area immediately with water (prevent water from entering waterways). |
| Regulatory Requirements: wearing | Follow applicable OSH regulations (29 CFR 1910.120). Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing |

07: HANDLING AND STORAGE

| | |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Handling Precautions: | For professional use only. Avoid eye/skin contact. Wash after using and before eating or smoking. Avoid breathing vapors. Use as directed. Avoid uncontrolled mixing with other mixtures (strong acids, bases and oxidizers). Do not use solvent to thin. Respiratory protection is required when ventilation is inadequate. NIOSH/OSHA approved respirators should be provided and worn. |
| Storage Requirements: | Store in cool/dry location. Do not allow material to freeze, as product may be damaged. Store away from sparks and open flames. |

08: EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HMIS PP, H I Splash Goggles, Gloves, Apron, Vapor Respirator | |
| VENTILATION: | Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs. Local exhaust ventilation is preferred because it prevents containment dispersion into the work area controlling it as its source. |
| RESPIRATORY PROTECTION: | Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and if necessary, wear OSHA/NIOSH approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. |
| PROTECTIVE CLOTHING/EQUIPMENT: | Wear chemically protective gloves, boots and aprons to prevent prolonged or repeated skin contact. Wear protective goggles and face shield, per OSHA eye and face protection (29 CFR 1910.133). |
| CONTAMINATED EQUIPMENT: | Separate contaminated work clothing from street clothing. Launder before reuse. Remove this material from your work shoes and clean personal protective equipment. |
| OTHER PRECAUTIONS: | Never eat, drink or smoke in work areas. |

This material is not listed by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration.

09: PHYSICAL & CHEMICAL PROPERTIES

| | | | | |
|-------------------------|-------------------------------|---------------------|---------------------|-------------------------------------------------|
| Appearance: | Part A (Clear to light amber) | Part B (Amber) | Evap Rate: | Slower than Butyl Acetate |
| Physical State | Liquid | | Viscosity: | Brookfield 500 cps (Part A) and 80 cps (Part B) |
| Boiling Point: | ND | | Percent Volatile: | 0 |
| Odor: | Part A (Mild) | Part B (Amine odor) | Flash Point: | >200° F |
| Freezing/Melting Point: | ND/NE | | Flash Point Method: | Pensky Martens Closed Cup |
| pH: | ND | | Burning Rate: | No data available |
| Solubility: | Insoluble | | Autoignition Temp: | No data available |
| Vapor Pressure: | NE | | | |
| Vapor Density: | (Air = 1) > 1 | | | |
| Spec Grav./Density: | Part A (1.19) | Part B (.97) | | |
| VOC: | 0 | | | |

10: STABILITY AND REACTIVITY

| | |
|-----------------------------------|-----------------------------------|
| Stability: | Stable |
| Conditions to Avoid: | None |
| Materials to Avoid: | Strong oxidizers, acids and bases |
| Hazardous Decomposition Products: | CO, CO2, NOX |
| Hazardous Polymerization: | None |

11: TOXICOLOGICAL INFORMATION

| | |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation: | Harmful if inhaled and may cause delayed lung injury. Can cause severe respiratory tract burns. Risk of serious damage to the lungs. May cause nose, throat and lung irritation. Inhalation of vapors and/or aerosols in high concentration may cause irritation of respiratory system. |
| Skin Contact: | Causes skin burns. |
| Eye Contact: | Causes eye burns. May cause blindness. Severe eye irritation. |
| Ingestion: | If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach. |
| Prolonged exposure | Repeated and/or prolonged exposure to low concentrations of vapors and/or aerosols may cause: Sore throat, Eye disease, Skin Disorders and Allergies. |

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.



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03

12: ECOLOGICAL INFORMATION

Aquatic toxicity Very toxic to aquatic organisms, may cause long term adverse effects in the
Toxicity to other organisms: No data available

13: DISPOSAL CONSIDERATIONS

When disposed of properly, this material does not meet RCRA classification or listing for hazardous waste. Never dispose of liquid to a landfill. Spilled material should be stabilized or solidified prior to disposal. Once stabilized/solidified, the material may be disposed of through normal means. Certain localities and state laws have specific disposal requirements for non-hazardous industrial chemicals. Consult local municipal authorities, landfill personnel or disposal companies for details prior to any disposal activity. Always follow local, state and federal regulations.

14: TRANSPORT INFORMATION

Part A: Not hazardous for domestic ground shipment
Part A IMDG: UN 3082 Environmentally hazardous substance, liquid, n.o.s. (epoxy resin) 9 III MARINE POLLUTANT

Part B: UN 1760 Corrosive liquids, n.o.s. (nonylphenol) 8 III (ERG #154)
Part B IMDG: UN 1760 Corrosive liquids, n.o.s (nonylphenol) 8 III MARINE POLLUTANT
Segregation Group: 18 Alkalis
Placards required over 1,000 lbs.

15: REGULATORY INFORMATION

This product is a "Hazardous Chemical" as defined by the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

| Superfund Amendments and Reauthorization Act of 1986 (SARA) | | |
|-------------------------------------------------------------|-------------------|-----|
| Hazard Categories | Immediate Hazard | Yes |
| | Delayed Hazard | Yes |
| | Fire Hazard | No |
| | Pressure Hazard | No |
| | Reactivity Hazard | No |
| Section 302 Extremely hazardous substance | | No |
| Section 311 Extremely hazardous chemical | | Yes |

State Regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

16: OTHER INFORMATION

Rating Scale: 0-4
HMIS II ratings: Health = 3, Fire = 1, Reactivity = 2
HMIS III ratings: Health = 3, Fire = 1, Physical Hazard = 2
NFPA ratings: Health = 3, Fire = 1, Reactivity = 2

The information and recommendation in this document are based on the best information available to us at the time of preparation. We make no other warranty, expressed or implied, as to its correctness or completeness, or as to the results or reliance of this product.

This product has been classified according to the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

User Responsibility: The information in this document cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions, in addition to those described herein, are required. Any health hazard and safety information herein should be distributed to customers or employees as applicable.

17: DISCLAIMER

The information contained herein is, to the best of our knowledge and belief, accurate and current as of the date of this MSDS. However, since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representation or warranties, either expressed or implied, as to its correctness or completeness, or as of merchantability, fitness for a particular purpose, or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers or as to the results or reliance of this product. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

END OF MSDS DOCUMENT



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