I. PRODUCT AND COMPANY IDENTIFICATION

| Company: | Epoxy Systems, Inc. |
|-------------------------------|--|
| Address: | 20774 W. Pennsylvania Ave. Dunnellon, FL 34431 |
| Product Name: | A Component Product #115 |
| Product Description: | High-Modulus Epoxy Bonding Agent |
| Emergency Contact No.: | 1-800-633-8253 (PERS) |
| Date Prepared or Revised: | August 2013 For most current MSDS, please visit our website at <u>www.epoxy.com</u> |

II. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Names | CAS Numbers |
|--|-------------|
| BisPhenolA/Epichlorohydrin (Epoxy Resin) | 25068-38-6 |
| Alkyl Glycidyl Ether | 68609-97-2 |

III. HAZARD IDENTIFICATION

| III. <u>HAZARD IDENTIFICATION</u> | |
|-----------------------------------|--|
| EMERGENCY OVERVIEW | |
| Non-corrosive. | |
| May cause eye and skin irritatio | n. |
| May cause skin sensitization. | |
| POTENTIAL HEALTH EFFEC | rs |
| ACUTE | |
| Eye Contact: | May cause eye irritation, swelling, tearing, redness or cornea damage. |
| Skin Contact: | Moderate irritation. May cause skin sensitization, evidenced by rashes and hives. |
| Inhalation: | Moderate irritation to the nose and respiratory tract. |
| Ingestion: | May cause irritation to the gastrointestinal tract. |
| Systemic Effects: | Lungs, eyes, and skin. |
| | |
| IV. FIRST AID MEASURES | |
| Eye Contact: | Immediately flush eyes with plenty of cool water for at least 15 minutes while holding |
| • | the eyes open. If redness, burning, blurred vision, or swelling persists, CONSULT A |
| | PHYSICIAN. |
| Skin Contact: | Remove product and immediately wash affected area with soap and water. Do not |
| | apply greases or ointments. Remove contaminated clothing. Wash clothing with |
| | soap and water before reuse. If redness, burning, or swelling persists, CONSULT A |
| | PHYSICIAN. |
| Ingestion: | DO NOT INDUCE VOMITING. Never administer anything by mouth to an |
| 0 | unconscious person. Rinse out mouth with water, then drink sips of water to remove |
| | taste from mouth. CONSULT A PHYSICIAN if vomiting occurs spontaneously, keep |
| | head below hips to prevent aspiration. |
| Inhalation: | Remove patient to fresh air. If patient continues to experience difficulty breathing, |
| | CONSULT A PHYSICIAN. |
| | |
| V. FIRE-FIGHTING MEASURES | |
| Suitable Extinguishing Media: | Water fog, carbon dioxide or dry chemical, aqueous foam. |
| Fire And Explosion Hazard: | Hazardous decomposition products may occur when materials polymerize at |
| FILE AND Explosion mazaru: | temperatures above 500°F (260°C). Do not allow run-off from fire fighting to enter |
| | drains or water courses. |
| Fine Fighting Faminment and | |
| Fire Fighting Equipment and | Wear full protective clothing and self-contained breathing apparatus for fire fighting. |
| Procedures: | Isolate fuel supply from fire. Clear fire area of all non-emergency personnel. Use water |
| | spray to cool fire-exposed surfaces and containers. |
| | |

| VI. <u>4</u> | ACCIDENTAL RELEASE ME | | | | |
|---------------------------|---|---|--|--|--|
| Per | rsonal Precautions: | Use cautious judgment when clea personal risk. Wear suitable prote Evacuate personnel to safe areas. | | | |
| En | vironmental Precautions: | Construct a dike to prevent spread | ling. Keep out of se | ewers, storm di | rains, surface waters, |
| Cla | oon oon Mathaday | and soils. | | 1 1 | |
| | ean-up Methods: ditional Information: | Small spills: Soak up with absord reactive material. Place in leak-p. Large spills: Approach suspected contain material. Soak up with ab non-reactive material. Place in le Notify authorities if any exposure likely to occur. Dispose in accord | roof containers. Sea d leak areas with car osorbent material su ak-proof containers s to the general pub | al tightly for pr ution. Create a ch as clay, san . Seal tightly f lic or environn | roper disposal. a dike or trench to d or other suitable For proper disposal. nent occur or are |
| VII. STO | DRAGE AND HANDLING | | | | |
| | prage: | Keep away from: acids, oxidizers | | | y, well-ventilated area |
| Ha | ndling: | in closed containers. Protect con To prevent skin and eye contact u appropriate protective clothing an smoke. Wash thoroughly after ha ventilated work area. | nder the foreseeable d safety eyewear. V | e conditions of When handling | , do not eat, drink, or |
| VIII. EX | XPOSURE CONTROLS / PER | SONAL PROTECTION | | | |
| Pro | otective Measure: | Wear appropriate personal protect | tive equipment. | | |
| - | e Protection: | Avoid contact with eyes. Wear cl shield. | | | lasses with side |
| | and Protection: | Wear chemical-resistant gloves su | | | |
| | in and Body Protection: spirator Protection: | Wear chemical-resistant gloves an Not required for properly ventilate | | required to mi | nimize contact. |
| | posure Limits: | Not required for property ventilat | ed areas. | | |
| ĽAJ | | PONENT | ACGIH | OSHA |] |
| | | | (TLV) | (PEL) | - |
| | BisPhenolA/Epichlorohydrin (| (Epoxy Resin) | N/E | N/E | |
| IX. <u>PHYS</u> | SICAL AND CHEMICAL PRO | DPERTIES | | | |
| For | | Paste | Freezing Point: | N/E | |
| Colo Odo | | Clear Amber Sweet | Flash Point: Specific Gravity | >250°F (> 1.13 | -121°C) |
| Vap | oor Pressure: ling Point: | Not Volatile >428°F (> 220°C) | Solubility In Wa | | 2 |
| Stab Con Mat Haz | ACTIVITY DATA oility: iditions To Avoid: terials To Avoid: cardous Decomposition Product cardous Polymerization: | Stable under normal storage cond Incompatible chemicals, high hea Oxidizing agents, acids, organic b ts: Combustion may produce carbon and other organic substances. Will not occur. | t and open flame. ases, and amines. | lioxide, aldehy | des, acids |
| Act Act Act | ICOLOGICAL PROPERTIES ute Oral (LD50, Rat): ute Dermal (LD50, Rabbit): ute Inhalation (LC50, Rat): uronic Health Hazard: | N/E N/E N/E The Diglycidyl Ether of Bisphenc bioassays. This material has show and has produced chromosomal a tested by vivo mutagenicity assay | vn activity in-vitro 1 berrations in culture | nicrobial muta | genicity screening |

| XII. | DISPOSAL CONSIDERATIONS Waste From Residues / Unused Products: | This material is not a hazardous waste by RCRA criteria (40 CFR 261). Dispose of container and unused contents in accordance with federal, state, and local requirements. |
|-------|--|---|
| XIII. | TRANSPORTATION | |
| | DOT: | Not Regulated For Transport |
| IATA: | | UN3082, Environmentally Hazardous Substance, Liquid, n.o.s. (Bisphenol-A |
| | | Epichlorohydrin resin), 9, III |
| | IMDG: | UN3082, Environmentally Hazardous Substance, Liquid, n.o.s. (Bisphenol-A |
| | | Epichlorohydrin resin), 9, III, Marine Pollutant |
| | | |

XIV. <u>REGULATORY INFORMATION</u>

CountryRegulatory ListUSATSCA

EPA SARA Title III Section 312 (40 CFR 370) Hazardous Classification: Acute/Chronic Health Hazard. **EPA SARA Title III Section 313 (40 CFR 372) Component(s) above 'de minimus' level:** None.

US. California "Safe Drinking Water and Toxic Enforcement Act" (Proposition 65): This product contains small traces of the following chemicals that are known to the State of California to cause cancer and/or reproductive toxicity and other harm:

| Component | Regulation | Concentration | Remarks |
|-----------------------|------------|---------------|--------------|
| Phenylglycidyl ether* | ACGIH | Trace | Carcinogenic |
| Epichlorohydrin* | ACGIH | Trace | Carcinogenic |

* May be absorbed through skin.

XV. OTHER INFORMATION

| ŀ | IMIS RATING | | |
|---|---------------|--------------|-----------------|
| | Health | Flammability | Physical Hazard |
| | 2 | 1 | 0 |
| | N/E Nat Estal | -1: -le - d | |

N/E – Not Established

This Material Safety Data Sheet (MSDS) is prepared by Epoxy Systems, Inc. in compliance with the requirements of OSHA 29 CFR Part 1910.1200. The information it contains is offered in good faith as accurate as of the date of this MSDS. This MSDS is provided solely for the purpose of conveying health, safety, and environmental information. No warranty, expressed or implied, is given. Health and Safety precautions may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations.

| I. | PRODUCT AND COMPANY IDENTIFICATION | | | | |
|--|------------------------------------|--|--|--|--|
| | Company: Epoxy Systems, Inc. | | | | |
| | Address: | 20774 W. Pennsylvania Ave. Dunnellon, FL 34431 | | | |
| | Product Name: | B Component Product #115 | | | |
| | Product Description: | High-Modulus Epoxy Bonding Agent | | | |
| Emergency Contact No.: 1-800-63 | | 1-800-633-8253 (PERS) | | | |
| | Date Prepared or Revised: | August 2013 For most current MSDS, please visit our website at <u>www.epoxy.com</u> | | | |

II. COMPOSITION / INFORMATION ON INGREDIENTS

| CAS Numbers |
|-------------|
| 108-95-2 |
| 80-05-7 |
| 112-57-2 |
| 68953-36-6 |
| 111-40-0 |
| |

The remaining ingredients are designated as "trade secret".

HAZADD IDENTIFICATION III.

| III. HAZARD IDENTIFICATION | | | |
|----------------------------------|--|--|--|
| EMERGENCY OVERVIEW | | | |
| Corrosive. | | | |
| Severe irritation to eyes and sk | in. | | |
| May cause skin sensitization. | | | |
| Components of the product ma | y affect the nervous system. | | |
| POTENTIAL HEALTH EFFECT | ΓS | | |
| ACUTE | | | |
| Eye Contact: | Severe irritation, swelling, tearing, redness or cornea damage. May cause burns and | | |
| | tissue damage. | | |
| Skin Contact: | Severe irritation. May cause burns and tissue damage. May cause skin sensitization | | |
| | evidenced by rashes and hives. | | |
| Inhalation: | Moderate irritation to the nose and respiratory tract. May cause Central Nervous System | | |
| | depression, evidenced by giddiness, headache, dizziness, and nausea. | | |
| Ingestion: | May cause irritation to the gastrointestinal tract. May cause headache nausea. May cause | | |
| | Central Nervous System depression or other systemic effects. | | |
| Systemic Effects: | Lungs, eyes, and skin. | | |
| | | | |
| IV. FIRST AID MEASURES | | | |
| Eye Contact: | Immediately flush eyes with plenty of cool water for at least 15 minutes while holding | | |
| | the eyes open. If redness, burning, blurred vision, or swelling persists, CONSULT A | | |
| | PHYSICIAN. | | |
| Skin Contact: | Remove product and immediately wash affected area with soap and water. Do not | | |
| | apply greases or ointments. Remove contaminated clothing. Wash clothing with | | |
| | soap and water before reuse. If redness, burning, or swelling persists, CONSULT A | | |
| | PHYSICIAN. | | |
| Ingestion: | DO NOT INDUCE VOMITING. Never administer anything by mouth to an | | |
| | unconscious person. Rinse out mouth with water, then drink sips of water to remove | | |
| | taste from mouth. CONSULT A PHYSICIAN if vomiting occurs spontaneously, keep | | |
| | head below hips to prevent aspiration. | | |
| Inhalation: | Remove patient to fresh air. If patient continues to experience difficulty breathing, | | |
| | CONSULT A PHYSICIAN. | | |
| | | | |

| FIRE-FIGHTING MEASURES | | | | | |
|---|---|--|-----------------------|--|--|
| Suitable Extinguishing Media: Fire And Explosion Hazard: | Irritating and to | oxic fumes n | hay be produced at | chemical, limestone powder. high temperature. In a fire, may produce | |
| | | | | nia, and carbon dioxide. Use of water ma olution. Do not allow run-off from fire | |
| | fighting to ente | | | | |
| Fire Fighting Equipment and | | | | ed breathing apparatus for fire fighting. | |
| Procedures: | | | | f all non-emergency personnel. | |
| | | T J | | | |
| I. ACCIDENTAL RELEASE MEAS | URES | | | | |
| Personal Precautions: | | udgment whe | n cleaning up spill. | . Shut off leaks, if possible without | |
| | | | | ig, gloves and eye/face protection. | |
| | Evacuate perso | | | | |
| Environmental Precautions: | Construct a dik | ke to prevent | spreading. Keep o | out of sewers, storm drains, surface waters, | |
| | and soils. | | | | |
| Clean-up Methods: | | | | such as clay, sand or other suitable non- | |
| | | | 1 | ers. Seal tightly for proper disposal. | |
| | | | | with caution. Create a dike or trench to | |
| | | | | erial such as clay, sand or other suitable | |
| | | | 1 | tainers. Seal tightly for proper disposal. | |
| Additional Information: | | | | ral public or environment occur or are | |
| | likely to occur. Dispose in accordance with federal, state, and local regulations. | | | | |
| II. STORAGE AND HANDLING | | | | | |
| Storage: | Keen away fro | m: acids, oxi | dizers, heat, or flar | nes. Keep in cool, dry, well-ventilated are | |
| | | | ect containers from | | |
| Handling: | | | | esseable conditions of use, wear | |
| 8 | | | | wear. When handling, do not eat, drink, o | |
| | | | | id breathing fumes. Handle in a well | |
| | ventilated worl | k area. | - | - | |
| | | CERON | | | |
| III. EXPOSURE CONTROLS / PER | | | | | |
| Protective Measure: | | Wear appropriate personal protective equipment. Avoid contact with eyes. Wear chemical splash goggles or safety glasses with side | | | |
| Eye Protection: | shield. | with eyes. v | vear chemical splas | sn goggles of safety glasses with side | |
| Hand Protection: | | registert al | was such as Nitril | la naonrona hutul | |
| Skin and Body Protection: | Wear chemical-resistant gloves such as: Nitrile, neoprene, butyl. Wear chemical-resistant gloves and other clothing as required to minimize contact. | | | | |
| Respirator Protection: | | Not required for properly ventilated areas. | | | |
| Exposure Limits: | Not required it | n property v | cittlated areas. | | |
| Chemical Names | ٨ | CGIH | OSHA | | |
| Chemical Malles | | (TLV) | (PEL) | | |
| Diethylenetriamine | | 1 ppm | 1ppm | | |
| Tetraethylenepentamine | | 1 ppm 1 ppm | 5 ppm | | |
| | | • PP | 5 ppm | | |
| Tetraethytenepentainine | | | | | |

| Form: | Liquid | Freezing Point: | N/E |
|----------------------|------------|-------------------|--------------|
| Color: | Dark Amber | Vapor Pressure: | N/E |
| Odor: | Ammonia | Flash Point: | 175°F (79°C) |
| Boiling Point: | N/E | Specific Gravity: | 0.99 |
| Solubility In Water: | Slight | | |

| X. <u>REACTIVITY DATA</u> | | | |
|---|--|--|--|
| Stability: | Stable under normal storage conditions. | | |
| Conditions To Avoid: | Incompatible chemicals, high heat, and open flame. | | |
| Materials To Avoid: | Oxidizing agents and acids. | | |
| Hazardous Decomposition | Combustion may produce carbon monoxide, carbon dioxide, and nitrogen oxide, a | | |
| Products: | other organic substances. | | |
| Hazardous Polymerization: | Will not occur. | | |
| XI. TOXICOLOGICAL PROPERTIES | S | | |
| Acute Oral (LD ₅₀ , Rat): | <u>N/E</u> | | |
| Acute Oral (LD50, Rat). Acute Dermal (LD50, Rabbit): | N/E | | |
| Acute Inhalation (LC ₅₀ , Rabbit): | N/E | | |
| Chronic Health Hazard: | Repeated or prolonged exposure may cause allergic reaction and/or limited sensitization | | |
| | repeated of protonged exposure may eause anergie reaction and of minice sensitization. | | |
| XII. DISPOSAL CONSIDERATIONS | | | |
| Waste From Residues / | Dispose of container and unused contents in accordance with federal, state, and local | | |
| Unused Products : | requirements. | | |
| | | | |
| XIII. <u>TRANSPORTATION</u> DOT: | 100725 And 1 1 1 0 100 1 100 100 100 100 100 100 | | |
| DOI: IATA: | UN2735, Amines, Liquid, Corrosive, n.o.s. (Diethylenetriamine), 8, II | | |
| IMDG: | UN2735, Amines, Liquid, Corrosive, n.o.s. (Diethylenetriamine), 8, II UN2735, Amines, Liquid, Corrosive, n.o.s. (Diethylenetriamine), 8, II | | |
| IMDG: | UN2755, Annues, Elquid, Corrosive, n.o.s. (Dietrivieneuriannine), 8, 11 | | |
| XIV. REGULATORY INFORMATION | <u></u> | | |
| Country Regulatory | List | | |
| USA TSCA | | | |
| EPA SARA Title III Section 312 | (40 CFR 370) Hazardous Classification: | | |
| Acute/Chronic Health Hazard. | | | |
| EPA SARA Title III Section 313 | (40 CFR 372) Component(s) above 'de minimus' level: | | |
| Phenol, 4,4'-(1-methylethylidene)b | isphenol. | | |
| | ater and Toxic Enforcement Act" (Proposition 65): This product does not contain | | |
| chemicals that are known to the Sta | te of California to cause cancer and/or reproductive toxicity and other harm. | | |
| | | | |
| XV. OTHER INFORMATION | | | |
| HMIS RATING | | | |
| Health Flammabi | ility Physical Hazard | | |

3 N/E – Not Established 1

This Material Safety Data Sheet (MSDS) is prepared by Epoxy Systems, Inc. in compliance with the requirements of OSHA 29 CFR Part 1910.1200. The information it contains is offered in good faith as accurate as of the date of this MSDS. This MSDS is provided solely for the purpose of conveying health, safety, and environmental information. No warranty, expressed or implied, is given. Health and Safety precautions may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations.

0

| PRODUCT AND COMPANY IDENTIFICATION | | |
|------------------------------------|--|--|
| Company: | Epoxy Systems, Inc. | |
| Address: | 20774 W. Pennsylvania Ave. Dunnellon, FL 34431 | |
| Product Name: | C Component Product #115 | |
| Product Description: | High-Modulus Epoxy Bonding Agent | |
| Emergency Contact No.: | 1-800-633-8253 (PERS) | |
| Date Prepared or Revised: | August 2013 For most current MSDS, please visit our website at <u>www.epoxy.com</u> | |

COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Names | CAS Numbers |
|--------------------|-------------|
| Crystalline Silica | 14808-60-7 |
| Cement, Portland | 65997-15-1 |

The remaining ingredients are designated as "trade secret".

III. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

May cause serious eye and skin irritation or damage

When combined with water may cause moderate to severe alkali burns.

Contains material that may cause cancer from inhalation crystalline Silica (Quartz).

POTENTIAL HEALTH EFFECTS

| ACUTE | | |
|--|---|--|
| Eye Contact: | May cause eye irritation, swelling, tearing, redness or cornea damage. | |
| Skin Contact: | Moderate irritation. May cause skin sensitization, evidenced by rashes and hives. | |
| Inhalation: | Moderate irritation to the nose and respiratory tract. | |
| Ingestion: May cause irritation to the gastrointestinal tract. | | |
| Chronic Inhalation: | The substance may have effects on the lungs resulting in fibrosis (silicosis). Some studies have shown increased incidence of chronic bronchitis, emphysema, scleroderma, connective tissue disorders, lupus, rheumatoid arthritis, chronic kidney disease and end-stage kidney disease in workers exposed to respirable crystalline silica. Respirable crystalline silica is a known carcinogen. | |
| IV. FIRST AID MEASURES | | |
| Eye Contact: | Immediately flush eyes with plenty of cool water for at least 15 minutes while holding the eyes open. If redness, burning, blurred vision, or swelling persists, CONSULT A PHYSICIAN . | |
| Skin Contact: | Remove product and immediately wash affected area with soap and water. Do not apply greases or ointments. Remove contaminated clothing. Wash clothing with soap and water before reuse. If redness, burning, or swelling persists, CONSULT A PHYSICIAN . | |
| Ingestion: | Rinse mouth immediately. DO NOT INDUCE VOMITING . | |
| Inhalation: | Remove patient to fresh air. If patient continues to experience difficulty breathing, CONSULT A PHYSICIAN . | |
| V. FIRE-FIGHTING MEASURES | | |
| Suitable Extinguishing Media: | Foam, water spray, dry powder, carbon dioxide | |
| Additional Information: | Can form explosive air-dust mixtures. Avoid creating dust. | |
| Hazards during Fire-Fighting: | Carbon monoxide, carbon dioxide, harmful vapors, evolution of fumes/fog. | |
| Fire-Fighting Equipment | Wear self-contained breathing apparatus and chemical-protective clothing. | |
| and Procedures: | | |

| VI. ACCIDENTAL RELEASE MEAS | <u>URES</u> | | |
|-----------------------------------|---|--|--|
| Personal Precautions: | Avoid dust formation. Use cautious judgment when cleaning up spill. Shut off leaks, if | | |
| | possible without personal risk. Wear suitable protective clothing, gloves and eye/face | | |
| | protection. Evacuate personnel to safe areas. | | |
| Environmental Precautions: | Keep out of sewers, storm drains, surface waters, and soils. | | |
| Clean-up Methods: | Small spills: Pick up with suitable appliance and dispose of properly. | | |
| | Large spills: Pick up with suitable appliance and dispose of properly. Pack in tightly | | |
| | closed containers for disposal. | | |
| Additional Information: | Dispose in accordance with federal, state, and local regulations. | | |
| VII. STORAGE AND HANDLING | | | |
| Storage: | Keep away from acids, bases, and strong oxidizing agents, Containers should be stored | | |
| | tightly sealed in a dry place. | | |
| Handling: | Avoid dust formation. The Cement contained in this product reacts to form alkaline | | |
| | when in contact with water or humidity. This may cause severe irritation of skin or | | |
| | mucous membranes. The humidity of the skin or mucous membranes is enough for this | | |
| | reaction. Prolonged direct contact to the dry product should be avoided therefore. Avoid | | |
| | inhalation of dusts. Avoid skin contact. Pour downwind and allow as little free fall as | | |
| | possible while emptying bags into equipment. Breathing must be protected when large | | |
| | quantities are decanted without local exhaust ventilation. | | |
| XII. EXPOSURE CONTROLS / PERS | SONAL PROTECTION | | |
| Protective Measure: | Wear appropriate personal protective equipment. | | |
| Eye Protection: | Protection: Avoid contact with eyes. Wear chemical splash goggles or safety glasses with side | | |
| | shield. | | |
| Hand Protection: | Wear chemical-resistant gloves such as: Nitrile, neoprene, butyl. | | |
| Skin and Body Protection: | | | |
| | Avoid contact with unhardened Portland Cement products. If contact occurs, wash | | |
| | immediately with soap and water. | | |
| Respirator Protection: | Use appropriate breathing protection if dust is formed. Not required for properly | | |
| | ventilated areas. | | |
| Exposure Limits | | | |

Exposure Limits:

| COMPONENT | ACGIH (TLV) | OSHA (PEL) |
|--------------------|------------------------|------------------------------------|
| Crystalline Silica | $0.025 \frac{mg}{m^3}$ | $\frac{10}{\% SiO_2 + 2} mg / m^3$ |
| Cement, Portland | 1 mg/m^3 | 5 mg/m^3 |

| XII | XIII.PHYSICAL AND CHEMICAL PROPERTIES | | | | |
|-----|---------------------------------------|--------------------------------|---|------------------------------------|--|
| | Form: | Powder | Freezing Point: | N/A | |
| | Color: | Gray | Flash Point: | N/A | |
| | Odor: | Characteristic | Specific Gravity: | 2.7 | |
| | Solubility In Water: | Slightly | | | |
| X. | REACTIVITY DATA | | | | |
| | Stability: | Stable under normal storage | conditions. | | |
| | Condition to Avoid: | Avoid dust formation. Avoid | Avoid dust formation. Avoid unintentional contact with water. | | |
| | Substance to Avoid: | Strong acids, strong bases, s | Strong acids, strong bases, strong oxidizing agents, ammonium salts, and aluminum | | |
| | | metal. | | | |
| | Hazardous Reactions: | The product is stable if store | d and handled as pres | cribed/indicated. Strong bases are | |
| | | formed on the addition of wa | ater. | | |
| _ | Decomposition Products: | Carbon dioxide, carbon mor | oxide, oxides of nitro | gen, and other organic compounds. | |
| XI. | TOXICOLOGICAL PROPERT | 'IES | | | |
| | Acute Oral (LD50, Rat): | N/E | | | |
| | Acute Dermal (LD50, Rabbit): | N/E | | | |
| | Acute Inhalation (LC50, Rat): | N/E | | | |
| | | | | | |

| carcinogen (substances that cause cancer to humans). A carcinogenic effect cannot sa | s, I fely | | |
|---|--|--|--|
| Carcinogenicity:Information on: Crystalline Silica: In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed. In long-term animal studies in which the substance was given by inhalation in high doses, a carcinogenic effect was observed. The substance and its compounds in the form of respirable dusts/aerosolsis classified by the German MAK commission as a category 1 carcinogen (substances that cause cancer to humans). A carcinogenic effect cannot sa be ruled out. The inhalation uptake of the alveolar fraction of the fine dust may cause | fely | | |
| classified this substance as a Group 1 (known) human carcinogen. The International Agency for Research on Cancer (IARC) has classified this substance as a Group 1 (known) human carcinogen NTP listed carcinogen. | Information on: Crystalline Silica: In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed. In long-term animal studies in which the substance was given by inhalation in high doses, a carcinogenic effect was observed. The substance and its compounds in the form of respirable dusts/aerosolsis classified by the German MAK commission as a category 1 carcinogen (substances that cause cancer to humans). A carcinogenic effect cannot safely be ruled out. The inhalation uptake of the alveolar fraction of the fine dust may cause damage to the lungs. The International Agency for Research on Cancer (IARC) has classified this substance as a Group 1 (known) human carcinogen. The International Agency for Research on Cancer (IARC) has classified this substance as a Group 1 | | |
| XIII. DISPOSAL CONSIDERATIONS | | | |
| Waste Disposal of Substance: Dispose of in accordance with local authority regulations. Do not discharge into | | | |
| | drains/surface waters/groundwater. | | |
| Container Disposal: Completely emptied packaging can be given for recycling. | | | |
| XIII. TRANSPORTATION | | | |
| DOT: Not Regulated For Transport | | | |
| IATA: Not classified as a dangerous good under transport regulations | | | |
| IMDG: Not classified as a dangerous good under transport regulations | | | |
| XIV. <u>REGULATORY INFORMATION</u> Country Regulatory List | | | |
| USA TSCA | | | |
| EPA SARA Title III Section 312 (40 CFR 370) Hazardous Classification: Acute/Chronic | | | |
| EPA SARA Title III Section 313 (40 CFR 372) Component(s) above 'de minimus' level: None. | | | |
| US. California "Safe Drinking Water and Toxic Enforcement Act" (Proposition 65): This product contains the followin | g | | |
| chemicals that are known to the State of California to cause cancer and/or reproductive toxicity and other harm: | | | |
| Component Regulation Concentration Remarks | | | |
| Crystalline Silica ACGIH 45-60% Carcinogenic | | | |
| | | | |

XV. OTHER INFORMATION

| HMIS RATING | | |
|-------------|--------------|-----------------|
| Health | Flammability | Physical Hazard |
| 2 | 0 | 1 |
| | 11 1 1 | |

N/E – Not Established

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