

# Safety Data Sheet

According to 29CFR1910/1200 and GHS Rev.3

Effective date: 10.05.2015

1-66-3 - PART B

## SECTION 1: Identification of the substance/mixture and of the supplier

**Product name:** 1-66—3 PART B

**Manufacture/Supplier Trade Name:**

**Manufacture/Supplier Article Number:**

**Recommended uses of the product and restrictions on use:** CURING AGENT FOR GROUT

**Manufacturer Details:**

**Superior Epoxies & Coatings Inc**

**2527 Lantrac Court**

**Decatur, GA 30035**

**(770)808-0023**

**Emergency telephone number:**

**Infotrac 800-535-5053**

## SECTION 2: Hazards Identification

**Classification of the substance or mixture:**



**Skin irritation, category 2**

**Eye irritation, category 2A**

**Skin sensitization, category 1**

**Specific target organ toxicity following single exposure, category 1**

**Acute toxicity(oral,dermal,inhalation), category 1**



**Skin Corrosion/irritation-Skin irritation 2**

**Skin sensitizer 1**

**Eye irritation 2**



**Signal word: Danger**

**Hazard statement:**

**Harmful if swallowed**

**Causes skin burns and eye damage**

**Causes serious eye damage-H318**

**Harmful if swallowed**

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May cause an allergic skin irritation-H317  
May cause respiratory irritation  
Suspected of damaging fertility or the unborn child

#### Precautionary statements:

Keep container tightly closed

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

Keep out reach of children

Read label before use

Avoid breathing dust/gas/mist/vapors/spray

Wash skin thoroughly after handling

Contaminated work clothing should not be allowed out of the workplace

Avoid release to the environment

Wear protective gloves/protective clothing/eye protective/face protection

IF ON SKIN: Wash with soap and water

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.

Continue rinsing

IF INHALED: Remove victim to fresh air and keep at rest in a comfortable for breathing

If skin irritation or a rash occurs. Get medical advice/attention

Take off contaminated clothing and wash before reuse

Collect spillage

Store locked up

Store in a well ventilated place. Keep container tightly closed

Dispose of contents and container as instructed in Section 13

Other Non-GHS Classification: Health-3,Flammability-1,Physical-0,Personal Protection X

## SECTION 3: Composition/information on ingredients

### Ingredients

<b>CAS 68953-3-36-6</b>	<b>FATTY ACIDS,TALL-OIL,TETRAETHYLENETAMINE</b>	<b>90-100%</b>
<b>CAS 112-24-3</b>	<b>TETRAETHYLENEPENTAMINE</b>	<b>10-12.5%</b>

Percentages are by weight

**CHEMICAL FAMILY: Aliphatic Amines** Percentages are by weight

## SECTION 4: First aid measures

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Description of first aid measures

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### After inhalation:

Move exposed to fresh air. Give artificial respiration if necessary. If breathing is difficult give oxygen. Loosen clothing and place exposed in a comfortable position.

### After skin contact:

Wash hands and exposed skin with soap and plenty of water. Rinse/flush exposed skin gently using soap and water for 15-20 minutes. Seek medical advice if discomfort or irritation persists. Wash away any material which may have contacted the body with copious amounts of water or soap.

### After eye contact:

Seek medical attention. Protect unexposed eye. Flush exposed eye gently using water for 15-20 minutes  
Remove contact lenses while rinsing

### After swallowing:

Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention

### Most important symptoms and effects, both acute and delayed:

Shortness of breath, Headache, Nausea, Dizziness, Irritation-all routes of exposure. Acute pneumoconiosis or silicosis from overwhelming exposure to crystalline silica dust has occurred. Lungs may be affected by repeated or prolonged exposure to fibers, resulting in fibrosis. This substance is possible carcinogenic to humans. Persons with impaired respiratory function may be more susceptible to the effects of this substance. Smoking can increase the risk of lung injury.

### Indication of any immediate medical attention and special treatment needed

If seeking medical attention provide SDS document to physician. Physician should treat symptomatically.

## SECTION 5: Firefighting measures

### Extinguishing media

#### Suitable extinguishing agents:

Dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam. Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition. If large

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quantities of combustibles are involved, use water in flooding quantities as spray and fog. Use water spray to Knock-down vapors. Page 3 of 10

For safety reasons unsuitable extinguishing agents: Do not use water on material itself; water or foam may cause frothing

Unsuitable extinguishing agents: None

Advice for firefighter:

Protective equipment: Wear protective eyewear, gloves, and clothing. Refer to section Additional information (precautions)

Avoid inhaling gases, fumes, dust, mist, and aerosols. Avoid contact with skin, eyes and clothing. Additional information (precautions)

If material not on fire and not involved in fire: keep sparks, flames, and other sources of ignition away. Keep material out of water sources and sewers. Build dikes to contain flow as necessary. Avoid inhaling gases, fumes, dust, mist, vapor, and aerosols. Avoid contact with skin, eyes and clothing. Move product containers away from fire. Avoid generating dust, fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

### SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Water4 spill: Neutralize with agricultural lime (CaO), crushed limestone (CaCO<sub>3</sub>) or sodium bicarbonate (NaHCO<sub>3</sub>). If dissolved, in region of 10 ppm or greater concentration, apply activated carbon at ten times the spilled amount. Land spill: Dig a pit, pond, lagoon, holding area (should be sealed with an impermeable flexible membrane liner) to contain liquid or solid material. Dike surface flow using soil, sand bags, foamed polyurethane, or foamed concrete. Absorb bulk liquid with fly ash or cement powder. Neutralize as noted for water spill. Ensure adequate ventilation. Ensure that air-handling systems are operational

Environmental precautions:

Should not be released into environment. Prevent from reaching drains, sewer, or waterway. Collect contaminated soil for characterization per section 13.

Methods and material for containment and cleaning up:

Sweep up and shovel. Soak up with inert absorbent material and dispose of as hazardous waste. Wear protective eyewear, gloves, and clothing. Personal protection: P2 filter respirator for harmful particles. Dust deposits should not be allow to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration Avoid dispersal of dust in the air (i.e. clearing dust surface with compressed air). Collect solids in powder form using vacuum with (HEPA filter) Do not handle broken packages unless wearing appropriate chemical protective equipment. Wash away any material which may have contacted the body with copious amounts of water and soap. Refer to section 8. Always obey local regulations. If necessary use trained response staff or contractor.

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Evacuate personnel to safe areas. Containerize for disposal. Refer to section 13. Keep in suitable closed containers for disposal. Page 4 of 10

Sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Reference to other sections: none

### SECTION 7: HANDLING AND STORAGE

#### Precautions for safe handling;

Avoid contact with skin, eyes, and clothing. Follow good hygiene procedures when handling chemical materials. Do Not take working clothes home. Refer to Section 8. Follow proper disposal methods. Combustible dusts formation is a risk. Refer to Section 13. Do not eat, drink, smoke, or use personal products when handling chemical substance.

#### Conditions for safe storage, including any incompatibilities:

Store in a cool location. Keep away from food and beverages. Protect from freezing and physical damage. Provide ventilation for containers. Keep container tightly sealed, Store away from incompatible materials. Avoid storage near extreme heat, ignition sources or open flame.

### SECTION 8: Exposure controls/personal protection

**Control Parameters:** 14807-96-6, hydrous magnesium silicate, OSHA PEL TWA 2.0 mg/m<sup>3</sup>, NIOSH TWA 2.0 mg/m<sup>3</sup>, ACGIH TLV TWA 2.0 mg/m<sup>3</sup>

13463-67-7, Titanium dioxide, ACGIH TLV: 10, OSHA

**PEL:10**

112945-52-5, Silica, amorphous, fumed, cryst-free, ACGIH

**TLV TWA:10 mg/m<sup>3</sup> (inhaled particles) OSHA PEL TWA:15 mg/m<sup>3</sup> (total dust)**

**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 mist below the applicable workplace exposure limits indicated above. (Occupational Exposure-OELS). It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosive relief vents or an explosive suppression system or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e. there is no leakage from the equipment) Use under a fume hood.

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**Respiratory protection:** Where risk Assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN143) respirator cartridges as a backup to engineering controls. When necessary use NIOSH approved breathing equipment.

**Protection of skin:** Select glove material impermeable and resistant to the substance. Select glove material based on rates of diffusion and degradation. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Use proper glove removal technique without touching outer service. Avoid skin contact with used gloves. Wear protective clothing.

**Eye protection:** Faceshield (8-inch minimum) with tightly fitting safety goggles are appropriate eyewear. Wear equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU)

**General hygienic measures:** Perform routine housekeeping. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes, and clothing. Before rewearing wash contaminated clothing.

## SECTION 9: Physical and chemical properties

<b>Appearance (physical State, color)</b>	<b>Med viscosity liquid and colors</b>	<b>Explosion limit lower</b>	<b>N/A</b>
		<b>Explosion limit upper</b>	<b>N/A</b>
<b>Odor:</b>	<b>Ammonia</b>	<b>Vapor pressure at 20<sup>0</sup></b>	<b>Not determined</b>
<b>Odor threshold:</b>	<b>Not Determined</b>	<b>Vapor density</b>	<b>Not determined</b>
<b>PH-value:</b>	<b>Not Determined</b>	<b>Relative density</b>	<b>1.77</b>
<b>Melting/Freezing Point:</b>	<b>Not Determined</b>	<b>Solubilities</b>	<b>N/A</b>
<b>Boiling point/Range:</b>	<b>Not Determined</b>	<b>Partition coefficient (n-octanol/water)</b>	<b>Not determined</b>
<b>Flash point(closed cup):</b>	<b>Not Determined</b>	<b>Auto/self-ignition Temperature</b>	<b>Not determined</b>
<b>Evaporation rate:</b>	<b>Not Determined</b>	<b>Decomposition Temp</b>	<b>Not determined</b>
<b>Flammability (solid gases)</b>	<b>Not Determined</b>	<b>Viscosity</b>	<b>a.Kinematic</b>
			<b>b.Dynamic:</b>
<b>Density: Not Determined</b>			

## SECTION 10: Stability and reactivity

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### Reactivity:

Nonreactive under normal conditions

### Chemical stability:

Stable under normal conditions. Chemically inert, properties are inert; affected by change in PH Page 6 of 10

### Possible hazardous reactions:

None under normal conditions

### Conditions to avoid:

Incompatible materials

### Incompatible materials:

Strong Acids, Strong Bases, Oxidizing agents, Hydrogen fluoride.

### Hazardous decomposition products:

Magnesium oxide, Titanium oxides, Carbon oxides, Nitrogen oxides, Ammonia. When heated to decomposition it emits acrid smoke and irritating fumes.

## SECTION 11: Toxicological information

### Acute Toxicity:

Oral: 13463-67-7 LD50:>5,000 mg/kg Species: Rat Method: Estimated

### Inhalation:

13463-67-7 LC 50 rat-male and female The substance can be absorbed into the body by inhalation.

Dermal: >1/000 mg/kg LD50 rabbit-male and female 84852-15-3 Dermal LD50 rabbit 2031 mg/kg

Oral: 84852-15-3, LD50 oral-Rat-male and female-1412 mg/kg

### Chronic Toxicity:

#### Inhalation:

May cause respiratory irritation

### Corrosion irritation

Dermal: Section 2, Classified as skin irritant

Ocular: Section2, Classified as eye irritant

Sensitization: Classified as a skin sensitizer

Single Target organ (STOT): Classified as respiratory irritant

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**Carcinogenicity: IARC Group3(not classifiable) Monograph 68(1997)(listed under Amorphous silica)**

**Numerical measure: No Additional information**

**Mutagenicity: Hamster lungs DNA inhibition. Hamster ovary sister chromatid exchange**

**Reproductive Toxicity: Classified as possible causing reproductive harm to fertility or unborn child**

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### SECTION 12: Ecological information

#### Ecotoxicity:

**Fish (acute 84852-15-3): 96 hr LC50 Pimephales promelas: 0.135 MG/L {flow-through}; 96 hr LC50 lepomis macrochirus: 0.1351 mg/l {flow-through}**  
**Crustacea (acute 84852-15-3): 48 hr EC50 Daphnia magna: 0.14 mg/l**  
**Algae (acute 84852-15-3): 96 hr EC50 Pseudokirchneriella subcapitata: 0.36-0.48 mg/l {static}; 72 hr EC50 Pseudokirchneriella subcapitata: 0.16-0.72 mg/l {static}; 72 hr EC50 Desmodesmus subspicatus: 1.3 mg/l**

**Persistence and degradability: aerobic-Exposure time 28 d result:<10%-according to the results of tests of biodegradable this product is not readily biodegradable 84852-15-3: aerobic-exposure time 28d result: 62% readily biodegradable. There is no data for the prouct regarding degradability.**

**Bioaccumulative potential: BCF \*84852-15-3): 271 species: fish**

**Mobility in soil: no additional information**

**Other adverse effects: no additional information**

### SECTION 13: Disposal considerations

#### Waste disposal recommendations:

**Contact a licensed professional waste disposal service to dispose of this material. Dispose of empty containers as usual product. Product or containers must not be disposed together with household garbage. It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities (US 40CFR262.11). Chemical waste generators must also consult local, regional, and national hazardous waste regulations. Ensure complete and accurate classification. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.**



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**SECTION 14: Transport information**

**UN Number:** 2735  
**UN Proper shipping name** Amines, Liquid,corrosive,NOS (4,4'methyln bis cyclo hexanamine)

**Limited Quantity :** NONE

**Bulk:** Non Bulk  
**RQ (if applicable):** none  
**Proper shipping name:** Environmentally

**Hazardous substance, liquid, n.o.s.**

**Average molecular weight <=700)** Page 8 of 10

**Hazard Class: 8** Hazard class: 8

**Packing Group: II** Packing Group: II

**Marine Pollutant(84852-15-3):** Marine Pollutant (84852-15-3):

**SECTION 15: regulatory information**

**United States (USA)**

**SARA SECTION 311/312 (Specific toxic chemical listings):**  
Reactive, Acute, Chronic

**SARA SECTION 313 (Specific toxic chemical listings):**  
84852-15-3.1.0% de minimis concentration (listed under Chemical Category Nonylphenol)

**RCRA (hazardous waste code):**  
None of the ingredients are listed.

**TSCA (Toxic substance control act)**  
All ingredients are listed.

**CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act)**  
None of the ingredients are listed.

**Proposition 65 ( California):**

**Chemicals known to cause cancer:**  
14807-96-6 hydrous magnesium silicate.

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**Chemicals known to cause reproduction toxicity for females:**

**None of the ingredients are listed.**

**Chemicals known to cause reproduction toxicity for males:**

**None of the ingredients are listed.**

**Chemicals known to cause developmental toxicity:**

**None of the ingredients are listed.**

### Canada

**Canadian Domestic Substance list (DSL)**

**all of the ingredients are listed.**

**Canadian NPRI ingredient disclosure list (limit 0.1%)**

**None of the ingredients is listed**

**Canadian NPRI ingredient disclosure list (limit 1%)**

**None of the ingredients is listed**

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### SECTION 16: Other information

**This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. Note. The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take these precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of the material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material. The information contained herein is, to the best of our knowledge and belief, accurate.**

**GHS Full Text Phrases: None**

**Abbreviations and Acronyms:**

**IMDG: International Maritime Code for Dangerous Goods**

**IATA: International Air Transport Association**

**GHS: Globally Harmonized System of classification and labelling of chemicals**

**ACGIH; American Conference of Governmental Industrial Hygienists**

**CAS: Chemical Abstracts Service (division of the American Chemical Society)**

**NFPA: National Fire Protection Association (USA)**

**HMIS: Hazardous Materials Identification Systems (USA)**

**ACGIH: American Conference of Governmental Industrial Hygienists**

**WHMIS: Workplace Hazardous Materials Information System (CANADA)**

**DNEL: Derived No-Effect level (Reach)**

**PNEC: Predicted No-Effect Concentration (Reach)**

**CFR: Code of Federal Regulations (USA)**

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**SARA: Superfund Amendments and Reauthorization Act (USA)**

**RCRA: Resource Conservation and Recovery Act (USA)**

**TSCA: Toxic Substance Control Act (USA)**

**NPRI: National Pollutant Release Inventory (CANADA)**

**DOT: US Department of Transportation**

**CAS: Chemical Abstracts Service (Division of the American Chemical Society)**

**NFPA: National Fire Protection Association (USA)**

**HMIS: Hazardous Materials Identification System (USA)**

**WHMIS: Workplace Hazardous Materials Information System (CANADA)**

**DNEL: Derived No-Effect Level (Reach)**

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