

MATERIAL SAFETY DATA SHEET

1. Product Information

Product Name: Epoxy Cream - Part B Product Class: Epoxy Curing Agent Product Code: CG170-B

2. Composition/Information on Ingredients

Chemical Name	CAS Number	Weight Percent	Occup. Exposure Limits OSHA PEL ACGIH TLV	Vapor Pressure mm Hg and Temp. F
Amine Hardener	Mixture	40-50	Not established	Not determined
TDMAM Phenol	90-72-2	5-10	Not established	Not Established
Nonyl Phenol	25154-52-3	10-20	Not established	<1 68
Silicon Dioxide	14808-60-7	20-30		Not determined

Silicon Dioxide is a crystalline Silica in the form of quartz. OSHA PEL: Exposure to airborne crystalline silica shall not exceed an 8 hour time weighted average limit as stated in 29CFR 1910.000, Table-Z-1-A Air Contaminants, Specifically; Silica, Crystalline Quartz (Respirable) 0.1 MG/M3. ACGIH TLV-TWA: 0.1 MG/M3. NIOSH Maximum permissible conc. 0.05 MG/M3, 10 hour workday, 40hr. week.

*Indicates toxic chemical(s) subject to reporting requirements of Section 313 of Title III and of 40 CFR 372.

3. Physical Data

Boiling Range (Deg. F): N/A Vapor Density: N/A Heavier than air Evaporation Rate: Slower than ether
Percent Volatile By Volume: 0 Weight Per Gallon (lbs.): 9.5 ± .3

4. Fire and Explosion Hazard Data

Flash Point (Deg.F): <200° **Lower Explosive Limit:** N/A **Extinguishing Media:** Foam, alcohol foam, CO2, dry chemical

OSHA Flammability Classification: Combustible Liquid, Class III B

Special Firefighting Procedures: Wear a NIOSH/MSHA approved self contained breathing apparatus and full protective clothing. Use water to keep fire exposed containers cool. Water may be ineffective as an extinguishing agent.

Unusual Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground or be moved by ventilation to ignition sources at locations distant from material handling point. Pressure may build up in containers and create an explosion hazard.

5. Health Hazard Data

THIS PRODUCT IS COMBUSTIBLE.

Effects of Overexposure: Eyes: Irritation, burning, tearing and redness.

Skin: Moderately irritating or defatting of skin upon prolonged or repeated contact.

Ingestion: Abdominal pain, nausea, vomiting and diarrhea.

Inhalation: Excessive exposure to vapors can cause headache, dizziness, uncoordination, nausea and loss of consciousness

Emergency and First Aid Procedures: Eyes: Flush with water for 15 minutes.

Skin: Remove contaminated clothing, wash skin with soap and water.

Ingestion: DO NOT induce vomiting. Get medical attention immediately.

Inhalation: Move to fresh air, aid breathing if necessary.

In all cases, consult a physician for best treatment. Chemical listed as carcinogen or potential carcinogen: NTP: Yes IARC: Yes OSHA: No

6. Reactivity Data

Stability: Product Stable

Conditions to Avoid: All sources of ignition

Incompatibility (Materials to avoid): Oxidizing agents, strong acids and bases.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, nitrogen oxides and organic compounds.

Hazardous Polymerization: Will not occur.

7. Spill or Leak Procedures

Steps to be taken in case material is released or spilled: Dike spill area. Absorb spill with inert absorbent material. Place in sealed metal containers for proper disposal. Waste Disposal Method: Dispose of in accordance with local, state and federal regulations.

8. Special Protection Information

Respiratory Protection: Use a NIOSH/MSHA jointly approved respirator

Ventilation: Use mechanical ventilation

Protective Gloves: Neoprene or rubber

Eye Protection: Chemical splash goggles

Other Protective Equipment: Protective clothing, barrier cream, eye bath, safety shower.

9. Special Precautions

Precautions to be taken in handling and storing: Store in dry area. Keep away from open flames and high temperatures.

Other precautions: Minimize contact. Avoid breathing vapors. Practice good industrial hygiene and safe working practices.

State and Local Regulations - California Proposition 65

This product contains the following substances known to the State of California to cause cancer, birth defects or other reproductive hazards: Crystalline Silica

10. Transportation Information and Regulatory Information

H.M.I.S. Codes:: Health - 3, Flammability - 1, Reactivity - 0

MATERIAL SAFETY DATA SHEET

1. Product Information

Product Name: Epoxy Cream Seal - Part A

Product Class: Epoxy Base

Product Code: CG170-A

2. Composition/Information on Ingredients

Chemical Name	CAS Number	Weight Percent	Occup. Exposure Limits OSHA PEL ACGIH TLV	Vapor Pressure mm Hg and Temp. F
Epoxy Resins	Mixture	65-70	Not Established	Not Determined
Nonyl Phenol	25154-52-3	1-5	Not Established	<1 68
Silicon Dioxide	14808-60-7	20-30		Not Determined

Silicon Dioxide is a crystalline Silica in the form of quartz. OSHA PEL: Exposure to airborne crystalline silica shall not exceed an 8 hour time weighted average limit as stated in 29CFR 1910.000, Table-Z-1-A Air Contaminants, Specifically; Silica, Crystalline Quartz (Respirable) 0.1 MG/M3. ACGIH TLV-TWA: 0.1 MG/M3. NIOSH Maximum permissible conc. 0.05 MG/M3, 10 hour workday, 40hr. week.

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3. Physical Data

Boiling Range (Deg. F): N/A
Percent Volatile By Volume: 0

Vapor Density: Heavier than air
Weight Per Gallon (lbs): 11.0 ± .3

Evaporation Rate: Slower than Ether

4. Fire and Explosion Hazard Data

Flash Point Deg. F): 200°F Lower Explosive Limit: N/A Extinguishing Media: Foam, alcohol foam, CO2, dry chemical

OSHA Flammability Classification: Combustible Liquid, Class IIIB

Special Firefighting Procedures: Wear a NIOSH/MSHA approved self contained breathing apparatus and full protective clothing. Use water to keep fire exposed containers cool. Water may be ineffective as an extinguishing agent.

Unusual Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground or be moved by ventilation to ignition sources at locations distant from material handling point. Pressure may build up in containers and create an explosion hazard.

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Skin: Moderate irritation or defatting of skin upon prolonged or repeated contact.

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Inhalation: Excessive exposure to vapors can cause headache, dizziness, uncoordination, nausea and loss of consciousness.

Emergency and First Aid Procedures:

Eyes: Flush with water for 15 minutes.

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