

**MATERIAL SAFETY DATA SHEET**  
Trade Name: CC Epoxy 609, Part B Curing Agent

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**Section I – General Information:**

Item Name: CC Epoxy 609, Part B Curing Agent

Manufactured by: InstaCote, Inc.  
160 C Lavoy Road  
Erie, MI 48133  
Phone (734) 847-5260 Fax (734) 847-9008  
Emergency Phone (800) 359-2783

Date MSDS Prepared: June 6, 2001  
Last Reviewed Date: June 6, 2001  
MSDS Preparer's Name: Charles J. Smith, Chemist/M.S.  
Product Description: Epoxy Encapsulation Media, Curing Agent  
Multiple Parts (Yes/No): Yes  
Description of Related Comp: Acrylate Monomer Part A

**Section II – Ingredient/Identity Information:**

This document is prepared pursuant to OSHA Hazard Communication Standard (29CFR 1910.1200). Where a proprietary ingredient is shown, the identity may be available as provided in this standard. This product is considered non-hazardous under OSHA Hazard Communication Standard (29CFR 1910.1200).

All components of this product are included in the EPA Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

<u>Ingredient</u>	<u>CAS No.</u>	<u>TLV</u>	<u>STEL</u>	<u>PEL</u>	<u>Content</u>
Triethylenetetramine	None	None		None	100%

**Section III – Hazards Identification:**

HMIS Hazard Rating – 3 (serious)

PRIMARY ROUTE OF ENTRY: Skin Absorption, Inhalation. Ingestion

Inhalation: Inhalation of vapors causes irritation of the respiratory tract and may cause adverse systemic effects.

Eye Contact: Contact of undiluted product will cause immediate severe irritation, pain and result in burns, necrosis and possible permanent damage. Repeated exposure may cause allergic reaction/sensitization.

Skin Contact: Prolonged and repeated contact may cause irritation and redness. Skin sensitization or allergic reaction may occur in some individuals. Not likely to be absorbed in sufficient quantity to increase overall toxicity.

Ingestion: Low order of Toxicity

Chronic Effects of Overexposure: Low order of Toxicity. Product does not contain carcinogenic materials as defined by OSHA Hazardous Communications Act 1910.1200. Product, nor individual ingredients are not known mutagenic, teratogenic, or reproductive health hazards.

**Section IV – First Aid Measures:**

- Inhalation: Remove individual to fresh air. If difficulty with breathing, administer oxygen. If unconscious, utilize artificial respiration. Prevent aspiration of vomit. Turn victim's head to the side. Assure mucous does not obstruct airway. Get emergency medical assistance.
- Eye Contact – Flush with large volumes of tepid water. Irrigate under upper and lower lids. Seek medical assistance.
- Skin Contact – Wash with soap and water. Change soiled clothing immediately and laundry prior to re-use.
- Ingestion: Do NOT induce vomiting; give large quantity of water, get immediate medical assistance. Never give anything by mouth to an unconscious person. If vomiting occurs, turn victim's head to the side. Assure mucous does not obstruct airway

**Section V – Fire Fighting Methods:**

- HMIS Rating – 1 (Slight)
- Flash Point: 149°C (>300°F) Method: SETA Flash
- Auto-Ignition Temp.: Not Available
- Limits of Flammability: LEL: NA UEL: NA
- Extinguishing Media: CO<sub>2</sub>, Alcohol Foam, dry chemical, water fog
- Special Fire Fighting Hazards: Self contained respirator equipment and Full protective clothing required when smoke or fumes are generated.

**Section VI – Accidental Release Measures:**

- Spills/Leaks: Ventilate area and eliminate all sources of ignition. Wear appropriate protective gear, contain spill, salvage, clean up residue with absorbent material. Wash area with water and diluted acetic acid.
- Disposal Method: Dispose in accordance with federal, state and /or local Regulations. Landfill if solid, incinerate at agency approved Waste-disposal facility.

**Section VII – Handling and Storage:**

- Shelf Life: One half calendar year (6 months) from date of receipt.
- Storage: Store in a cool, dry environment. Store indoors and in a secure manner.

**Section VII – Exposure Controls/Personal Protection:**

Ventilation: Ventilation is recommended. Air movement must be designed to insure turnover at all locations in work area to avoid build-up of heavy vapors.

Personal Protection Equipment: DO NOT WEAR CONTACT LENSES when working with this product. Wear chemical goggles/safety glasses with side shields and rubber/latex gloves. Selection of items such as boots and apron will depend on the experience of the operator. Respirators are not required with the use of this product alone. Refer to the MSDS of the related component for this product. Wear respirator protection whenever a mist is generated such as spray application. Spray application in confined spaces, closed rooms, or tanks are areas where mist generation will exceed TLV or TWA. Refer to OSHA CFR29 1910.134 for recommended respiratory protection.

**Section IX – Physical and Chemical Properties:**

Boiling Pt. (°C):	>N/Av	Water Solubility:	< 0.01%
Percent VOC:	Nil	Specific Gravity:	0.98
Freeze Pt. (°C):	N/Av	pH:	N/A
Vapor Pressure (37°C)	N/Av		
Vapor Density	> Air	Evaporation Rate	N/Av
Appearance:	Crystal Clear liquid with slight straw color		

N/A, Not Applicable

N/Av, Not Available

**Section X – Stability and Reactivity:**

HMIS Rating – 0 (Minimal)

Stability: Stable

Incompatibility: Strong acids, strong oxidizing agents

Decomposition Products: Oxides of carbon and nitrogen, nitriles and amides from incomplete combustion and smoke.

Hazardous Polymerization: Will not occur if handled per instructions.

**Section XI – Toxicity Information:**

HMIS Rating – 2 (Moderate)

PRIMARY ROUTE OF ENTRY: Dermal (Skin Absorption)

Inhalation: Inhalation of vapors causes irritation of the respiratory tract and may cause adverse systemic effects.

Skin Contact: Prolonged and repeated contact may cause irritation and redness. Skin sensitization or allergic reaction may occur in some individuals. Not likely to be absorbed in sufficient quantity to increase overall toxicity.

Chronic Effects of Overexposure: Low order of Toxicity. Product does not contain carcinogenic materials as defined by OSHA Hazardous Communications Act 1910.1200. Product, nor individual

ingredients are not known mutagenic, teratogenic, or reproductive health hazards.

**Section XII – Ecological Information:**

Marine Pollutant: Not Determined

**Section XIII – Disposal Considerations:**

Handle disposal of waste materials in a manner, which complies with federal, state and/or local regulations. Landfill if solid, incinerate at an agency approved waste-disposal facility.

**Section XIV – Transportation Information:**

National Motor Freight Classification (NMFC): 33880 Sub: 2 Class: 55

Description: Regulated-Use DOT Proper Shipping Name

Emergency Response Guide Page No.: 60

DOT Reportable Quantity: Not Regulated

DOT: Shipping Name: Triethylenetriamine, UN 2259, Class 8, Package group II

Label: Corrosive Sub-Label: None

International: Shipping Name: Triethylenetriamine, UN 2259, TDGCD 8, Package group II

Label: Corrosive Sub-Label: None

**Section XV – Regulatory Information:**

SARA, Title III Section 302: Not a reportable substance

SARA, Title III Sections 311/312: Health Hazard: Immediate

Physical Hazard: None

SARA, Title III Section 313: Not a reportable Substance

WHMIS Classification: Class D, Div. 2, Sub B

**Section XV – Other Information:**

The information herein has been compiled from sources believed to be reliable and accurate at the time of review to the best of our knowledge. InstaCote, Inc. can not give any guarantees regarding information from other sources, and expressly does not make any warranties nor assumes any liability, in its use.

Complete.

**MATERIAL SAFETY DATA SHEET**  
Trade Name: CC Epoxy 609, Part A Resin

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**Section I – General Information:**

Item Name: CC Epoxy 609, Part A Resin

Manufactured by: InstaCote, Inc.  
160 C Lavoy Road  
Erie, MI 48133  
Phone (734) 847-5260 Fax (734) 847-9008  
Emergency Phone (800) 359-2783

Date MSDS Prepared: June 6, 2001  
Last Reviewed Date: June 6, 2001  
MSDS Preparer's Name: Charles J. Smith, Chemist/M.S.  
Product Description: Epoxy Encapsulation Media, Acrylate Monomer  
Multiple Parts (Yes/No): Yes  
Description of Related Comp: Aliphatic Amine Part B Curing Agent

**Section II – Ingredient/Identity Information:**

This document is prepared pursuant to OSHA Hazard Communication Standard (29CFR 1910.1200). Where a proprietary ingredient is shown, the identity may be available as provided in this standard. This product is considered non-hazardous under OSHA Hazard Communication Standard (29CFR 1910.1200).

All components of this product are included in the EPA Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

<u>Ingredient</u>	<u>CAS No.</u>	<u>TLV</u>	<u>STEL</u>	<u>PEL</u>	<u>Content</u>
Epoxy Resin	25068-38-6	None	None	None	>50%
Acrylate Monomer	13048-33-4	None	None	None	>50%

**Section III – Hazards Identification:**

HMIS Hazard Rating – 1 (slight)  
PRIMARY ROUTE OF ENTRY: Dermal (Skin Absorption)  
Inhalation: Low volatility of material makes inhalation an unlikely source of entry. No known health information on vapor inhalation.  
Eye Contact: Contact can cause mild irritation.  
Skin Contact: Prolonged and repeated contact may cause irritation and redness. skin sensitization or allergic reaction may occur in some individuals.  
Ingestion: Low order of Toxicity

Chronic Effects of Overexposure: Low order of Toxicity. Product does not contain carcinogenic materials as defined by OSHA Hazardous Communications Act 1910.1200. Product, nor individual ingredients are not known mutagenic, teratogenic, or reproductive health hazards.

**Section IV – First Aid Measures:**

Eye Contact – Flush with large volumes of tepid water. If irritation persists, seek medical assistance.

Skin Contact – Wash with soap and water. Change soiled clothing immediately and laundry prior to re-use.

**Section V – Fire Fighting Methods:**

HMIS Rating – 1 (Slight)

Flash Point: >93°C (200°F) Pensky Martin C.C.

Auto-Ignition Temp.: Not Available

Limits of Flammability: LEL: NA UEL: NA

Extinguishing Media: CO<sub>2</sub>, Alcohol Foam, dry chemical, water fog

Special Fire Fighting Hazards: Self contained respirator equipment and full protective clothing required when smoke or fumes are generated. Electrical grounding is not required.

**Section VI – Accidental Release Measures:**

Spills/Leaks: Ventilate area and eliminate all sources of ignition. Wear appropriate protective gear, contain spill, salvage, clean up residue with absorbent material.

Disposal Method: Dispose in accordance with federal, state and /or local regulations. Landfill if solid, incinerate at agency approved waste-disposal facility.

**Section VII – Handling and Storage:**

Shelf Life: One calendar year (12 months) from date of receipt.

Storage: Store in a cool, dry environment. Store indoors and in a secure manner.

**Section VIII – Exposure Controls/Personal Protection:**

Ventilation: Ventilation is recommended. Air movement must be designed to insure turnover at all locations in work area to avoid build-up of heavy vapors.

Personal Protection Equipment: DO NOT WEAR CONTACT LENSES when working with this product. Wear chemical goggles/safety glasses with side shields and rubber/latex gloves. Selection of items such as boots and apron will depend on the experience of the operator. Respirators are not required with the use of this product alone. Refer to the MSDS of the related component for this product. Wear respirator protection whenever a mist is generated such as spray application. Spray application in confined

spaces, closed rooms, or tanks are areas where mist generation will exceed TLV or TWA. Refer to OSHA CFR29 1910.134 for recommended respiratory protection.

**Section IX – Physical and Chemical Properties:**

Boiling Pt. (°C):	>100	Water Solubility:	< 0.01%
Percent VOC:	Nil	Specific Gravity:	1.1
Freeze Pt. (°C):	N/Av	pH:	N/A
Vapor Pressure (20°C)	20 mm Hg		
Vapor Density	> Air	Evaporation Rate	N/Av
Appearance:	Crystal Clear liquid with slight straw color		
N/A, Not Applicable		N/Av, Not Available	

**Section X – Stability and Reactivity:**

HMIS Rating – 0 (Minimal)  
Stability: This product must be mixed and handled according to directions for safety. Excessive heat and fume generation can occur if improperly handled. Not sensitive to mechanical impact.  
Incompatibility: Strong acids, strong bases, amines, and mercaptans may initiate hazardous polymerization.  
Decomposition Products: Oxides of carbon and nitrogen, aldehydes and various hydrocarbons from incomplete combustion and smoke.  
Hazardous Polymerization: Will not occur if handled per instructions.

**Section XI – Toxicity Information:**

HMIS Rating – 2 (Moderate)  
PRIMARY ROUTE OF ENTRY: Dermal (Skin Absorption)  
Inhalation: Low volatility of material makes inhalation an unlikely source of entry. No known health information on vapor inhalation.  
Eye Contact: Contact can cause mild irritation.  
Skin Contact: Prolonged and repeated contact may cause irritation and redness. skin sensitization or allergic reaction may occur in some individuals.  
LD(50) Dermal CASRN 25068-38-6 20 gm/kg Rabbit  
74398-71-3 2 gm/kg Rabbit  
Ingestion: Low order of Toxicity  
LD(50) Oral CASRN 25068- 38-6 11.4 gm/kg Rat  
74398-71-3 5.0 gm/kg Rat  
Chronic Effects of Overexposure: Low order of Toxicity. Product does not contain carcinogenic materials as defined by OSHA Hazardous Communications Act 1910.1200. Product , nor individual ingredients are not known mutagenic, teratogenic, or reproductive health hazards.

**Section XII – Ecological Information:**

Marine Pollutant: Not Determined

**Section XIII – Disposal Considerations:**

Handle disposal of waste materials in a manner, which complies with federal, state and/or local regulations. Landfill if solid, incinerate at an agency approved waste-disposal facility.

**Section XIV – Transportation Information:**

National Motor Freight Classification (NMFC): 156240 Sub: - Class: 55

Description: Resin

Emergency Response Guide Page No.: Not Regulated

DOT Reportable Quantity: Not Regulated

DOT: Not Regulated

International: Not Regulated

**Section XV – Regulatory Information:**

SARA, Title III Section 302: Not a reportable substance

SARA, Title III Section 311/312: Health Hazard: Immediate

Delayed

Physical Hazard: None

SARA, Title III Section 302: Not a reportable substance

WHMIS Classification: Class D, Div. 2, Sub. Div. B

**Section XV – Other Information:**

The information herein has been compiled from sources believed to be reliable and accurate at the time of review to the best of our knowledge. InstaCote, Inc. cannot give any guarantees regarding information from other sources, and expressly does not make any warranties nor assumes any liability, in its use.

Complete