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## SAFETY DATA SHEET

**Product Code:** MC402I  
**Product Trade Name:** Epoxy Resin – Part A  
**Product Class / Intended End Use:** Consumer Coating  
**Emergency Telephone Numbers:** For emergency health, safety and environmental information call 416-252-5676 (Monday to Friday 9am-4pm est/edt)

**For Emergency Transportation Information call CANUTEC at 1-888-CAN-UTEC (226-8832) or 613-996-6666 or \*666 from cell phone.**

### SECTION 2: HAZARDS IDENTIFICATION

**Classification:**

	Category
Acute Toxicity - Oral	4
Skin Corrosion/Irritation	2
Eye Damage/Irritation	2A
Sensitization - Skin	1
Hazardous to the Aquatic Environment – Long Term (Chronic) Hazard	2
<b>Signal word:</b>	<b>Warning</b>

**Hazard Pictograms:**



**Hazard Statement(s):**

- Harmful if swallowed
- Causes skin irritation
- Causes serious eye irritation
- May cause an allergic skin reaction
- Toxic to aquatic life with long lasting effects

**Precautionary Statement(s) Prevention:**

- Wash hands thoroughly after handling
- Do not eat drink or smoke while using this product.
- Wear protective gloves
- Wear eye protection/face protection
- Avoid breathing dust/fume/gas/mist/vapours/spray
- Contaminated work clothing should not be allowed out of the workplace
- Avoid release into the environment

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## Precautionary Statement(s) Response:

- **IF SWALLOWED:** Call a POISON CENTER or doctor/physician if you feel unwell.
- Rinse mouth
- **IF ON SKIN:** Wash with plenty of soap and water
- **IF SKIN IRRITATION OR RASH OCCURS:** Get medical advice/attention
- Take off contaminated clothing and wash it before reuse
- **IF N EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- **If eye irritation persists:** Get medical advice/attention
- Collect spillage

## Precautionary Statement(s) Storage:

## Precautionary Statement(S) Disposal:

- Dispose of contents/container in accordance with federal rules, laws and regulations

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS	EINECS	WT %
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	25068-38-6	500-033-5	100.0
<i>N/A = Not Available N/E = Not Established</i>			

## SECTION 4: FIRST-AID MEASURES

- Eye Contact:** Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Remove contacts if present and easy to do so. Continue Rinsing. Get medical attention, if irritation or symptoms of overexposure persists.
- Skin Contact:** Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing. Wash clothing before reuse.
- Inhalation:** Immediately remove person to fresh air. If breathing has stopped, give artificial respiration. Get medical attention if symptoms persist.
- Ingestion:** Call a physician or poison control centre immediately. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

***Call a poison centre or doctor/physician if you feel unwell.***

## Most Important Symptoms and Effects (both acute and delayed):

- Irritation, allergic reaction, blood congestion of the lungs if inhaled.
- Irritation, allergic reaction if it comes into contact with skin.
- Irritation if it comes into contact with eyes.
- Respiratory irritation, allergic reaction if inhaled. Similar to short term if there is long term skin or eye contact.

## Indication of any Immediate Medical Attention and Special Treatment Needed:

- Treat symptomatically.

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### SECTION 5: FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.
<b>Unsuitable Extinguishing Media:</b>	Do not use a solid water stream as it may scatter and spread fire.
<b>Specific Hazards Arising from the Substance or Mixture:</b>	Other irritating, corrosive and toxic gases.
<b>Special Protective Equipment and Precautions for Fire Fighters:</b>	Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. A full-body chemical resistant suit should be worn.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions, Protective Equipment and Emergency Procedures:</b>	Eliminate all ignition sources (No smoking, flares, sparks or flames) in the immediate area. Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Use proper protective equipment. Avoid skin contact and inhalation.
<b>Environmental Precautions:</b>	Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.
<b>Methods and Materials for Containment and Clean Up:</b>	Ventilate the area. Stop spill or leak at source if safely possible. Dike for water control. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13).

### SECTION 7: HANDLING AND STORAGE

<b>Precautions for Safe Handling:</b>	Wear protective gloves and eye/face protection. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Wash with soap and water after handling. Keep away from acids and other incompatibles. Keep containers tightly closed when not in use.
<b>Conditions for Safe Storage:</b>	Store in a cool, dry, well-ventilated area. Keep away from incompatibles. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks.
<b>Incompatibles:</b>	Strong oxidizing agents; Strong acids Strong bases.

### SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	ACGIH TLV (ppm)		OSHA PEL (ppm)	
	TWA	STEL	PEL	STEL
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	N/E	N/E	N/E	N/E
<i>N/A = Not Available N/E = Not Established</i>				

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<b>Appropriate Engineering Controls:</b>	Supply safety shower and eyewash station near handling area. Use local exhaust if general ventilation is inadequate.
<b>Personal Protective Equipment Eye/Face Protection:</b>	Safety glasses with side-shields are recommended. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
<b>Skin/Body Protection:</b>	Wear protective gloves. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
<b>Respiratory Protection:</b>	A chemical cartridge respirator with full face piece is recommended.
<b>Other Protective Equipment:</b>	Emergency showers and eyewash facilities should be nearby. Wear a chemically resistant apron and long sleeves when dispensing, to prevent skin contact.
<b>General Hygiene Considerations:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Remove soiled clothing and wash it thoroughly before reuse.

### SECTION 9: PHYSICAL PROPERTIES

<b>Autoignition Temperature:</b>	Data not Available
<b>Boiling Point:</b>	$\geq 204.4\text{ }^{\circ}\text{C}$ / $\geq 477.55\text{ }^{\circ}\text{F}$
<b>Colour:</b>	Clear
<b>Decomposition Temperature:</b>	Data not Available
<b>Explosion Limit:</b>	Data not Available
<b>Flammability (solid, gas):</b>	Combustible
<b>Flash Point (Setaflash Closed Cup):</b>	Not Applicable
<b>Melting Point/Freezing Point:</b>	Not Applicable
<b>Odour Threshold:</b>	Data not Available
<b>Odour:</b>	Slight Amine
<b>Partition Coefficient:</b>	Data not Available
<b>pH:</b>	Not Applicable
<b>Physical State:</b>	Liquid
<b>Relative Evaporation Rate (Butylacetate=1)</b>	Data not Available
<b>Solubility in Water:</b>	Nil
<b>Specific Gravity:</b>	1.17
<b>Vapour Density:</b>	Not Applicable
<b>Vapour Pressure:</b>	Not Applicable
<b>Viscosity:</b>	Thick
<b>% Volatiles by Weight:</b>	0

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### SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity:</b>	Not normally reactive under normal conditions.
<b>Chemical Stability:</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions:</b>	Hazardous polymerization does not occur.
<b>Conditions to Avoid:</b>	Heat. High temperatures. Ignition sources. Incompatible materials.
<b>Incompatibles:</b>	Acids. Amines. Bases. Oxidizing agents.
<b>Hazardous Decomposition Products:</b>	Carbon oxides. Chloro hydrogen.

### SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:	LD 50			LC 50			
	Name	mg/kg	Animal	Route	Mg/L	Animal	Route
	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	1000-5000 >20000	Rat Rabbit	Oral Dermal	89000 ppm	Rat	5h Inhalation
<i>N/A = Not Available N/E = Not Established</i>							

<b>Likely Routes of Exposure:</b>	Inhalation, skin and eye contact, ingestion.
<b>Symptoms/Injuries after Inhalation:</b>	Respiratory irritation, allergic reaction if inhaled.
<b>Symptoms/Injuries after Skin Contact:</b>	Irritation, allergic reaction if it comes into contact with skin.
<b>Symptoms/Injuries after Eye Contact:</b>	Causes serious eye irritation.
<b>Symptoms/Injuries after Ingestion:</b>	May be harmful if swallowed.
<b>Potential Chronic Health Effects:</b>	No relevant data found.
<b>Specific Target Organ Systemic Toxicity (Repeated Exposure):</b>	No relevant data available
<b>Medical Conditions Aggravated by Overexposure:</b>	No relevant data available.

### SECTION 12: ECOLOGICAL INFORMATION

<b>Eco toxicity:</b>	Toxic to aquatic life with long lasting effects.
<b>VOC (g/L):</b>	0
<b>Persistence and Degradability:</b>	No data available on the product itself.
<b>Bio-accumulative Potential:</b>	No test data
<b>Mobility in Soil:</b>	No data available on the product itself.
<b>Other Adverse Effects:</b>	None known

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## SECTION 13: DISPOSAL CONSIDERATIONS

- Handling for Disposal:** Handle waste according to recommendations in Section 7. Empty containers retain residue (liquid and/or vapour) and can be dangerous.
- Methods of Disposal:** Dispose in accordance with all applicable federal, state, provincial and local regulations.
- RCRA:** If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

**DO NOT INCINERATE CLOSED CONTAINERS.**

## SECTION 14: TRANSPORTATION INFORMATION

- UN Number:** UN3082
- UN Proper Shipping Name:** Environmentally hazardous substances, liquid, N.O.S.
- Transport Hazard Class:** 9
- Packing Group:** III
- Environmental Hazards:** Toxic to aquatic life with long lasting effects.
- Special Precautions for User:** Marine Pollutant
- Transport in Bulk:** Information not available.

## SECTION 15: REGULATORY INFORMATION

- Canada:** All components are in compliance with the Canadian environmental protection act and are present on the domestic substances list. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.
- USA:**
- TSCA:** All components of this material are on the US TSCA inventory or are exempt.
  - OSHA:** This material is classified as hazardous under OSHA regulation (29CFR 1910.1200).
  - CERCLA:** Reportable quantities (RQ) (40 CFR 117.302). Data not Available.
  - SARA TITLE 111:** Sec 302, extremely hazardous substances, 40 CFR 355 - Data not available
  - SARA TITLE 111:** Sec 313, toxic chemical notification, 40 CFR 372 - Data not Available

## SECTION 16: OTHER INFORMATION

- HMIS:** Health 2 Flammability 0 Reactive 0
- NFPA:** Health 2 Flammability 0 Instability 0

**Issue Date:** April 17, 2018

**Revision Date:** April 17, 2018

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**END OF SAFETY DATA SHEET**