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SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product Code: MC423H
Product Trade Name: 6270 Clear Epoxy – Part A
Product Class / Intended End Use: Coating Auxiliary
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 613-996-6666

SECTION 2: HAZARDS IDENTIFICATION

Classification:

	Category
Skin Corrosion/Irritation	2
Serious Eye Damage/Eye Irritation	2A
Skin Sensitization	1
Aquatic Hazard (Long Term)	2
Signal word:	WARNING

Hazard Statements:

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

Precautionary Statements:

- Wear protective gloves/ protective clothing/ eye protection/ face protection
- Wear eye or face protection
- Avoid release to the environment
- Avoid breathing dust/ fumes/ gas/ mist/ vapours/ spray
- Wash hands thoroughly after handling
- Contaminated work clothing should not be allowed out of the workplace
- Collect spillage

Other Hazards Which do not Result in Classification:

- None known.

Hazard Pictograms:



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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS #	WT %
Bisphenol A epoxy resin	25068-38-6	75.91
Polyglycol Diglycidyl Ether	26142-30-3	20.08
Aliphatic Glycidyl Ether	68609-97-2	1.69

N/A = Not Available N/E = Not Established

SECTION 4: FIRST-AID MEASURES

- Eye Contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Ingestion:** Do not induce vomiting. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin Contact:** Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

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

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

- Causes serious eye irritation. Adverse symptoms may include pain irritation, watering, redness.
- Causes skin irritation. Adverse symptoms may include irritation, redness.
- May cause an allergic skin reaction
- Irritating to mouth, throat and stomach
- Prolonged or excessive inhalation may cause respiratory tract irritation
- May be harmful if swallowed
- May cause headache and dizziness

Indication of any Immediate Medical Attention and Special Treatment Needed:

- Call poison control centre immediately if large quantities have been ingested.

Notes to Physician:

- Treat symptomatically

Protection of First-Aiders:

- No action should be taken involving any personal risk or without suitable training.
- It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
- Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Use water fog or fine spray, alcohol resistant foams, carbon dioxide or dry chemical.
Unsuitable Extinguishing Media:	Do not use a solid water stream as it may scatter and spread fire.
Specific Hazards Arising from the Substance or Mixture:	In a fire or if heated, a pressure increase will occur and the container may burst. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous Thermal Decomposition Products:	Carbon dioxide, carbon monoxide, halogenated compounds
Special Protective Equipment and Precautions for Fire Fighters:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
Environmental Precautions:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
Methods and Materials for Containment and Clean Up:	Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling:	Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Conditions for Safe Storage:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.
Advice on General Occupational Hygiene:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Incompatibles:	Strong oxidizers (e.g. Chlorine, Peroxides, etc.).

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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	ACGIH TLV (ppm)		OSHA PEL (ppm)	
	TWA	STEL	PEL	STEL
Bisphenol A epoxy resin	N/A	N/A	N/A	N/A
Polyglycol Diglycidyl Ether	N/A	N/A	N/A	N/A
Aliphatic Glycidyl Ether	N/A	N/A	N/A	N/A
N/A = Not Available N/E = Not Established				

- Appropriate Engineering Controls:** Provide exhaust ventilation or other engineering controls to keep the airborne concentration of vapours below their respective threshold limit value. Use explosion-proof electrical and ventilating equipment.
- Respiratory Protection:** Respiratory protection is required if the concentrations exceed the TLV. Use a NIOSH approved dust respirator if dust levels exceed exposure limits. Seek advice from respiratory protection specialists.
- Eye/Face Protection:** Wear eye/face protection. Wear chemical splash safety goggles.
- Skin Protection:** Wear protective gloves. The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Other Considerations:** Wear appropriate protective clothing to prevent skin contact, such as coveralls or long sleeved shirt, long pants, and shoes and socks. An eyewash station and safety shower should be made available in the immediate working area. Other equipment may be required depending on workplace standards.
- Avoid breathing mist or vapours. Avoid contact with skin, eyes and clothing. Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse.

SECTION 9: PHYSICAL PROPERTIES

% Volatiles by Weight:	0
Auto Ignition Temperature:	>200°C / 392°F
Boiling Point:	177-197 °C / 350.6-386.6 °F
Decomposition Temperature:	Data not Available
Density/Specific Gravity:	1.1244
Explosive Limit:	Data not Available
Flammability (solid, gas):	Flammable
Flash Point (Setaflash Closed Cup):	>150 °C / 302 °F
Melting/Freezing Point:	Not Applicable
Odour Threshold:	Data not Available
Odour:	Slight Amine
Partition Coefficient:	Data not Available
pH:	Not Applicable
Physical State/Appearance:	Viscous Amber Liquid
Relative Evaporation Rate (Butylacetate=1)	Data not Available
Solubility in Water:	None
Vapour Density:	Data not Available
Vapour Pressure:	Data not Available
Viscosity:	1000 - 2000 cps

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SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Stable under normal temperatures and pressures.
Chemical Stability:	Exothermic reactions including polymerization may occur in contact with amines.
Possibility of Hazardous Reactions:	Hazardous polymerization does not occur under normal conditions of use.
Conditions to Avoid:	Keep away from excessive heat, open flames, sparks and other possible sources of ignition. Avoid contact with incompatible materials. Do not use in areas without adequate ventilation. Avoid heat, open flames, sparks, static electricity and electrical equipment.
Incompatibles:	Oxidizing agents. Strong acids and alkalis.
Hazardous Decomposition Products:	None known.

SECTION 11: TOXICOLOGICAL INFORMATION

Name	LD 50			LC 50		
	mg/kg	Animal	Route	ppm	Animal	Route
Bisphenol A epoxy resin	>2000	Rat	Oral	0.00001	Rat	Inhalation, 4h
Polyglycol Diglycidyl Ether	>2000	Rabbit	Dermal			
Aliphatic Glycidyl Ether	17,100	Rat	Oral		N/A	N/A
<i>N/A = Not Available N/E = Not Established</i>						

Symptoms/Injuries Eye Exposure:	Irritating to eyes. Direct eye contact may cause pain or irritation, watering, redness.
Symptoms/Injuries Skin Exposure:	Irritating to skin. May cause irritation, redness.
Symptoms/Injuries Inhalation:	Prolonged or excessive inhalation may cause respiratory tract irritation.
Symptoms/Injuries ingestion:	May be harmful if swallowed. May cause vomiting.
Specific Target Organ Effects:	Not available.
Potential Chronic Health Effects:	Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis.
Medical Conditions Aggravated by Overexposure:	May aggravate pre-existing respiratory disorders, allergy, eczema, or skin conditions.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity:	Toxic to aquatic life with long lasting effects. This product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.
VOC (g/L):	0
Persistence and Degradability:	Insoluble in water.
Bio-accumulative Potential:	No data available.
Mobility in Soil:	Is not likely mobile in the environment due its low water solubility. Will likely be mobile in the environment due to its volatility.
Other Adverse Effects:	No data available.

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SECTION 13: DISPOSAL CONSIDERATIONS

- Handling for Disposal:** See Section 7 (Handling and Storage) for further details. Empty containers may contain hazardous residues.
- Methods of Disposal:** Dispose in accordance with all applicable federal, state, provincial and local regulations. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- 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:	1263
UN Proper Shipping Name:	Paint
Transport Hazard Class:	3
Packing Group:	III
Environmental Hazards:	Toxic to aquatic life with long lasting effects.
Special Precautions for User:	Keep away from heat, sparks and open flame. No smoking.
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 1	Reactivity 0	
NFPA:	Health 2	Flammability 1	Reactive Instability 0	Special Hazard 0

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DISCLAIMER

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END OF SAFETY DATA SHEET