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SAFETY DATA SHEET

Product Code: MC437I
Product Trade Name: High Gloss Epoxy Black – Part A
Product Class / Intended End Use: Commercial 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
Flammable Liquids	4
Acute Toxicity - Oral	4
Eye Damage/Irritation	2A
Skin Corrosion/Irritation	2
Sensitization - Skin	1
Hazardous to the Aquatic Environment (Acute)	2
Hazardous to the Aquatic Environment – Long Term (Chronic) Hazard	2
Signal word:	Warning

Hazard Pictograms:



Hazard Statement(s):

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

Precautionary Statement(s) Prevention:

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Wear protective gloves/protective clothing/eye protection/face protection/hearing protection
- Do not eat, drink or smoke when using this product
- Wash hands thoroughly after handling
- Wear protective gloves
- Avoid breathing dust/fume/gas/mist/vapour/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 N EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
IF eye irritation persists: Get medical advice/attention
- **IF ON SKIN:** Wash with plenty of soap and water. Continue rinsing.
- **IF SKIN IRRITATION OR RASH OCCURS:** Get medical advice/attention
- Take off contaminated clothing and wash it before reuse
- **IF SWALLOWED:** Immediately call a POISON CENTRE/doctor/physician
- Rinse mouth
- Do NOT induce vomiting
- Collect spillage

Precautionary Statement(s) Storage:

- Store locked up
- Store in a well-ventilated area

Precautionary Statement(S) Disposal:

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

Hazards not Otherwise Classified:

- May be harmful if inhaled
- May cause respiratory tract irritation

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS	EINECS	WT %
Epoxypropane	25068-38-6	500-033-5	49.48
Polypropylenglycol diglycidyl ether	26142-30-3	--	14.40
Oxirane, mono(C12-13-alkyloxy)methyl derivs.	120547-52-6	--	2.50
Polyether-polysiloxane	68554-65-4	--	1.50
Dervs., compds.with polyethylene-polypropylene glycol	398475-96-2	--	1.49

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

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. If irritation develops and persists, get medical attention.
- Inhalation:** Immediately remove person to fresh air. If breathing has stopped, give artificial respiration. Get medical attention if symptoms persist.
- Ingestion:** Do not ingest. May be hazardous if swallowed. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. If symptoms occur obtain medical attention.

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

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

- Repeated or prolonged contact may cause defatting of the skin resulting in dryness, cracking and dermatitis.
- Pre-existing skin problems may be aggravated by prolonged or repeated contact.

Indication of any Immediate Medical Attention and Special Treatment Needed:

- Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Extinguish with carbon dioxide, dry chemical, foam or waterspray.

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:

Combustible. May decompose in a fire giving off toxic fumes. Epoxy resins release phenolics, carbon monoxide, and water. Closed container may rupture (due to build up in pressure) when exposed to extreme heat. Vapours may be harmful.

Hazardous combustion products: Irritating or toxic substances may be emitted upon burning, combustion or decomposition.

Special Protective Equipment and Precautions for Fire Fighters:

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

Personal Precautions, Protective Equipment and Emergency Procedures:

Eliminate all ignition sources (No smoking, flares, sparks or flames) in the immediate area. Ensure adequate ventilation. Do not breathe fumes/vapour from heated product. Stop leak if safe to do so. Use personal protective equipment as required. Avoid contact with skin and eyes. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental Precautions:

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.

Methods and Materials for Containment and Clean Up:

Contain spillages. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Dispose of this material and its container as hazardous waste. Residual resin may be removed using steam or hot soapy water.

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SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling:

Wear protective gloves and eye/face protection. As with any chemical product, use good laboratory/workplace procedures. Do not cut, puncture, or weld on or near the container. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Use under well-ventilated conditions. Avoid eye and skin contact. Avoid inhalation of aerosol, mist, spray, fume or vapor. Avoid drinking, tasting, swallowing or ingesting this product. Wash contaminated clothing before reuse. Discard shoes contaminated with this product. Provide eyewash fountains and safety showers in the work area.

Conditions for Safe Storage:

Store cool and dry, under well-ventilated conditions. Keep away from heat, sparks and open flames. Store this material away from incompatible substances. Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use. Do not reuse empty container without commercial cleaning or reconditioning. Empty container contains residual product which may exhibit hazards of product.

Incompatibles:

Strong oxidizing agents; Strong acids Strong bases.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	ACGIH TLV (ppm)		OSHA PEL (ppm)	
	TWA	STEL	PEL	STEL
Epoxypropane	N/A	N/A	N/A	N/A
Polypropylenglycol diglycidyl ether	N/A	N/A	N/A	N/A
Oxirane, mono(C12-13-alkyloxy)methyl derivs.	N/E	N/E	N/E	N/E
Polyether-polysiloxane	N/A	N/A	N/A	N/A
Dervs., compds.with polyethylene-polypropylene glycol	N/A	N/A	N/A	N/A
<i>N/A = Not Available N/E = Not Established</i>				

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Appropriate Engineering Controls:	Supply safety shower and eyewash station near handling area. Use local exhaust if general ventilation is inadequate.
Personal Protective Equipment Eye/Face Protection:	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).
Skin/Body Protection:	Wear suitable chemical resistant protective gloves for frequent or prolonged operations tested with an acceptable permeation test. Contaminated gloves should be carefully rinsed with water before reuse. Breakthrough time of the glove material: refer to the information provided by the gloves' producer.
Respiratory Protection:	Wear an approved respirator (e.g., an organic vapor respirator, a full face air purifying respirator for organic vapors, or a self-contained breathing apparatus) whenever exposure to aerosol, mist, spray, fume or vapor exceed the applicable exposure limit(s) of any chemical substance listed in this SDS.
Other Protective Equipment:	Emergency showers and eyewash facilities should be nearby. Wear a chemically resistant apron and long sleeves when dispensing, to prevent skin contact.
General Hygiene Considerations:	General hygiene measures for the handling of chemicals are applicable. Keep good industrial hygiene. Avoid contact with skin and eyes. Do not breathe fumes/vapour from heated product. Avoid breathing vapours. Wash hands before breaks and after work. Keep work clothes separately. Do not eat, drink or smoke at the work place. IF exposed: Flush with fresh water if contact with skin or eyes.

SECTION 9: PHYSICAL PROPERTIES

Autoignition Temperature:	Data not Available
Boiling Point:	218 °C / 491 °F
Colour:	Black
Decomposition Temperature:	Data not Available
Explosion Limit:	Data not Available
Flammability (solid, gas):	Combustible
Flash Point (Setaflash Closed Cup):	150 °C / 423 °F
Melting Point/Freezing Point:	Not Applicable
Odour Threshold:	Data not Available
Odour:	Slight Aromatic
Partition Coefficient:	Data not Available
pH:	Not Applicable
Physical State:	Liquid
Relative Evaporation Rate (Butylacetate=1)	Data not Available
Solubility in Water:	Nil
Specific Gravity:	1.17
Vapour Density:	Not Applicable
Vapour Pressure:	Not Applicable
Viscosity:	Thick
% Volatiles by Weight:	0.54

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SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Exothermic reactions including polymerization may occur in contact with amines.
Chemical Stability:	Stable under recommended storage conditions.
Possibility of Hazardous Reactions:	Hazardous polymerization does not occur.
Conditions to Avoid:	Excessive heat and ignition sources.
Incompatibles:	Avoid strong acids, bases, and oxidizing agents. Avoid contact with amines.
Hazardous Decomposition Products:	Carbon dioxide, carbon monoxide and hydrocarbons.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:	LD 50			LC 50			
	Name	mg/kg	Animal	Route	Mg/L	Animal	Route
Epoxypropane	13600	Rat	Oral			N/A	
Polypropylenglycol diglycidyl ether			N/A			N/A	
Oxirane, mono(C12-13-alkyloxy)methyl derivs.	10400 >4500	Rat Rabbit	Oral Dermal	>1.5 mg/L	Rat		Inhalation, 4h
Polyether-polysiloxane	680	Rat	Oral			N/A	
Dervs., compds.with polyethylene-polypropylene glycol	680	Rat	Oral			N/A	
N/A = Not Available N/E = Not Established							

Likely Routes of Exposure:	Inhalation, skin and eye contact.
Symptoms/Injuries after Inhalation:	May be harmful if inhaled. Causes respiratory tract irritation.
Symptoms/Injuries after Skin Contact:	May be harmful if absorbed through the skin. Causes skin irritation. May cause an allergic skin reaction.
Symptoms/Injuries after Eye Contact:	Causes eye irritation.
Symptoms/Injuries after Ingestion:	May be harmful if swallowed. May cause irritation if ingested. Symptoms include gastrointestinal tract upset and diarrhea.
Potential Chronic Health Effects:	Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.
Specific Target Organ Systemic Toxicity (Repeated Exposure):	No relevant data available
Medical Conditions Aggravated by Overexposure:	No relevant data available.

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SECTION 12: ECOLOGICAL INFORMATION

Eco toxicity:	Toxic to aquatic life with long lasting effects.
VOC (g/L):	5
Persistence and Degradability:	No data available on the product itself.
Bio-accumulative Potential:	No test data
Mobility in Soil:	No data available on the product itself.
Other Adverse Effects:	None known

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:	UN1263
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:	Do not allow product to enter waterways.
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

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SECTION 16: OTHER INFORMATION

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

Issue Date: June 12, 2018

Revision Date: June 12, 2018

DISCLAIMER

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END OF SAFETY DATA SHEET