

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product Code: MC403J
Product Trade Name: Zero Gloss Varnish
Product Class / Intended End Use: Decorative Interior Finish
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	2
Specific Target Organ Toxicity (Single Exposure) – Central Nervous System	3
Signal word:	WARNING

Hazard Statements:

- Causes skin irritation
- Causes eye irritation
- May cause drowsiness or dizziness

Precautionary Statements:

- Do not breathe dust/fume/gas/mist/vapours/spray
- Use only outdoors or in a well-ventilated area

Other Hazards Which do not Result in Classification:

- Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea
- May be mildly irritating to skin, eyes and respiratory system

Hazard Pictograms:



SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS #	WT RANGE %
1,2-Propanediol	57-55-6	7 - 8
Dipropylene glycol n-butyl ether	29911-28-2	1 - 2
<i>N/A = Not Available N/E = Not Established</i>		

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SECTION 4: FIRST-AID MEASURES

Eye Contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Skin Contact:	Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. Get medical attention if symptoms occur.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Ingestion:	Do NOT induce vomiting. Get medical attention immediately if symptoms occur.

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

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

- Breathing difficulties. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
- May cause serious eye irritation. Symptoms may include stinging and tearing.
- May cause mild skin irritation. Symptoms may include mild redness and swelling.
- May cause respiratory irritation. Symptoms may include upper respiratory irritation, coughing and breathing difficulties.
- Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

Indication of any Immediate Medical Attention and Special Treatment Needed:

- Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable Extinguishing Media:	Do not use a heavy water stream as it may scatter and spread fire.
Specific Hazards Arising from the Substance or Mixture:	Keep product and empty container away from heat and sources of ignition. Thermal decomposition can lead to release of irritating gases and vapours.
Hazardous Combustion Products:	Carbon monoxide (CO), Carbon dioxide (CO ₂). Phosphorus oxides.
Special Protective Equipment and Precautions for Fire Fighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:	Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing.
Environmental Precautions:	Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods.
Methods and Materials for Containment and Clean Up:	Ventilate area of release. Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling:	Use only in well-ventilated areas. Wear suitable protective equipment during handling. Avoid breathing vapours or mists. Avoid contact with eyes, skin and clothing. Keep away from extreme heat and flame. Keep away from incompatibles.. Wash thoroughly after handling.
Conditions for Safe Storage:	Store in a cool, dry, well-ventilated area. Store away from incompatible materials. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking in the area. Keep containers tightly closed when not in use
Incompatibles:	Oxidizing agents; Acids.

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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	ACGIH TLV (ppm)		OSHA PEL (ppm)	
	TWA	STEL	PEL	STEL
1,2-Dihydroxypropane	50	N/A	N/A	N/A
Dipropylene glycol n-butyl ether	N/A	N/A	N/A	N/A
N/A = Not Available N/E = Not Established				

- Control Parameters:** No TLV data available on product.
- Appropriate Engineering Controls:** Use only in well ventilated areas. Exhaust ventilation if used indoors on a continuous basis.
- Personal Protective Equipment**
- Eye/Face Protection:** Use safety glasses or goggles or full face shield where required.
- Skin & Body Protection:** Use chemically impervious nitrile or neoprene gloves. Wear long sleeved protective clothing. When required, wear impervious rubber apron. Wear sufficient clothing to prevent skin contact. An eyewash station and safety shower should be made available in the immediate working area.
- Respiratory Protection:** If exposure can not be controlled below applicable limits, use the appropriate NIOSH approved respirator such as an air purifying respirator with organic vapour cartridge and dust/mist filter.
- General Hygiene Considerations:**
- Handle in accordance with good industrial hygiene and safety practice
 - Avoid breathing vapour or mist
 - Avoid contact with skin, eyes and clothing
 - Wash contaminated clothing before reuse
 - 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
 - Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL PROPERTIES

Autoignition Temperature	Not applicable
Boiling Point:	188.2 °C / 370.76 °F
Decomposition Temperature:	Data not Available
Explosion Limit	Not applicable
Flammability (solid, gas):	Combustible
Flash Point (Setaflash Closed Cup):	99 °C / 210.2 °F
Freezing Point:	Not Applicable
Melting Point:	Data not Available
Odour Threshold:	Data not Available
Odour:	Slight Sweet
Partition Coefficient:	Data not Available
pH:	7.5 – 8.5
Physical State/Appearance:	Translucent Viscous Liquid
Relative Evaporation Rate (Butylacetate=1)	Not applicable
Solubility in Water:	Miscible
Specific Gravity:	1.02 – 1.04
Vapour Density:	Data not Available
Vapour Pressure:	Data not Available
Viscosity:	10,000 – 12,000 cps
% Volatiles by Weight:	91 – 92

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SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Not classified as a reactivity hazard.
Chemical Stability:	Hygroscopic.
Possibility of Hazardous Reactions:	Will not occur under normal use.
Conditions to Avoid:	Avoid ignition sources – heat, sparks, open flame, direct sunlight, extremely high or low temperatures. Do not use without adequate ventilation.
Incompatibles:	Strong oxidizing agents.
Hazardous Decomposition Products:	None expected.

SECTION 11: TOXICOLOGICAL INFORMATION

Name	LD 50			LC 50		
	mg/kg	Animal	Route	ppm	Animal	Route
1,2-Dihydroxypropane	20000	Rat	Oral		N/A	
	20800	Rabbit	Dermal			
Dipropylene glycol n-butyl ether	4000	Rat	Oral	>2.04 mg/L	Rat	Inhalation,m 4h
	>2000	Rabbit	Dermal			
N/A = Not Available N/E = Not Established						

Acute Toxicity:	No test data on mixture.
No Test Data for the Mixture On:	Skin corrosion/irritation, eye damage/irritation, skin sensitization, respiratory sensitization, germ cell mutagenicity, carcinogenicity, reproductive toxicity, STOT- single exposure, STOT- repeated exposure, aspiration.
Likely Routes of Exposure:	Inhalation, eye contact, skin contact, ingestion.
Symptoms/Injuries after Inhalation:	If product is heated or mists are formed, inhalation may cause irritation to the nose, throat and respiratory tract.
Symptoms/Injuries after Eye Contact:	May cause mild transient irritation.
Symptoms/Injuries after Skin Contact:	Direct skin contact may result in little or no irritation.
Symptoms/Injuries after Ingestion:	Ingestion may irritate digestive tract and cause nausea, vomiting and diarrhea. Ingestion of larger amounts may cause defects to the central nervous system (e.g. dizziness, headache).

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:	Not expected to be harmful to aquatic organisms. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. Do not allow material to contaminate ground water system.
Persistence and Degradability:	Miscible with water Persistence is unlikely based on information available.
VOC (g/L):	496
Bio-accumulative Potential:	No test data on mixture.
Mobility in Soil:	No test data on mixture.
Other Adverse Effects:	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 of in accordance with federal, provincial/state and local hazardous waste laws. Do not discharge into sewage or municipal water.
- 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:	Not classified as a dangerous good
UN Proper Shipping Name:	Non Regulated
Transport Hazard Class:	Non Regulated
Packing Group:	Non Regulated
Environmental Hazards:	Information not available
Special Precautions for User:	Appropriate advice on safety should accompany the package. Keep away from heat, sparks and open flame. Avoid static electricity.
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 does not contain any hazardous components under OSHA regulation (29CFR 1910.1200).
 - CERCLA:** This material does not contain any components with a section 304 EHS RQ.
 - SARA TITLE 111:** Sec 302, No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
 - SARA TITLE 111:** Sec 313, This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SECTION 16: OTHER INFORMATION

HMIS:	Health 2	Flammability 1	Instability 1
NFPA:	Health 2	Flammability 1	Reactive Instability 1

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END OF SAFETY DATA SHEET