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SAFETY DATA SHEET

Product Code: MC435C
Product Trade Name: Blue Steel Primer
Product Class / Intended End Use: Ferric Corrosion Converter
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
Acute Toxicity – Oral	4
Acute Toxicity - Dermal	4
Acute Toxicity – Inhalation (Gases)	4
Skin Corrosion/Irritation	2
Serious Eye Damage/Eye Irritation	2
Specific Target Organ Toxicity (Single Exposure)	2
Signal word:	WARNING

Hazard Statements:

- Harmful if swallowed
- Harmful if contact with skin
- Harmful if inhaled
- Causes serious eye irritation
- May cause damage to organs

Precautionary Statements:

- Do not eat, drink or smoke when using this product
- Wear protective gloves, protective clothing/eye protection/face protection
- Do not breathe mist/vapours/spray
- Use in a well ventilated area
- Do not eat or drink when using this product; wash hands after using product

Hazard Pictograms:



SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS #	WT %
Glycerite	1401-55-4	1 - 3
Ethylene glycol Monobutyl ether	111-76-2	1 - 3
<i>N/A = Not Available N/E = Not Established</i>		

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SECTION 4: FIRST-AID MEASURES

- Inhalation:** Immediately remove person to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, administer oxygen. Get medical attention.
- Skin Contact:** Take off contaminated clothing. Rinse skin with soap and water. Wash contaminated clothing before reuse. If skin irritation occurs, get medical attention.
- Eye Contact:** Immediately flush eyes with gentle flowing water for 10-15 minutes. Remove contact lenses if present and easy to do. Get medical attention.
- Ingestion:** DO NOT induce vomiting. Rinse mouth. Get immediate medical attention. Never give anything by mouth to an unconscious person. Consult a physician.

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

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

- May cause skin irritation
- May cause serious eye irritation
- May cause respiratory irritation
- May cause drowsiness or dizziness
- Ingestion may cause nausea, vomiting and diarrhea

Indication of any Immediate Medical Attention and Special Treatment Needed:

- Treat symptomatically

SECTION 5: FIRE-FIGHTING MEASURES

- Suitable Extinguishing Media:** Water fog, CO₂, extinguishing powder, foam. Water mist may be used to cool closed containers.
- Unsuitable Extinguishing Media:** Do not use a heavy water stream.
- Specific Hazards Arising from the Substance or Mixture:** Isolate and restrict area access. Thermal decomposition may produce hazardous gases and/or materials.
- Special Protective Equipment and Precautions for Fire Fighters:** Move containers from fire area if possible to do without risk. Use water spray to cool fire-exposed containers. Wear self-contained breathing (SCBA) apparatus and full firefighting protective clothing. Do not use solid water stream as it may scatter and spread the fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Personal Precautions, Protective Equipment and Emergency Procedures:** Use personal protective equipment. If flammable, remove all sources of ignition (flames, sparks, etc.). Provide adequate ventilation. If necessary, evacuate personnel to safe area. Avoid contact with skin, eyes and clothing.
- Environmental Precautions:** Try to prevent material from entering drains or water area.
- Methods and Materials for Containment and Clean Up:** Small spills should be absorbed with clay, diatomaceous earth or other suitable inert absorbent. Clean up with non-sparking tools. Store spilled material in suitable, closed containers suitable for disposal. Large spills may be pumped into appropriate closed containers for recovery or disposal.

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SECTION 7: HANDLING AND STORAGE

- Precautions for Safe Handling:** Use only in an area equipped with a safety shower and eye wash stations. Avoid inhalation, skin and eye contact. Wear personal protective equipment. Handle with good industrial hygiene. Wash hands before eating or drinking. Avoid repeated exposure.
- Conditions for Safe Storage:** Use in a cool, dry and well ventilated area. Exhaust ventilation is recommended if used indoors on a continuous basis. If exposure exceeds occupational limits (TLV value) wear appropriate NIOSH approved air purifying respirator.
- Incompatibles:** Acids, strong oxidizers. Strong bases. Heavy metal salts. Alkalis. Lime water. Albumin. Gelatin.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	ACGIH TLV (ppm)		OSHA Pel (ppm)	
	TWA	STEL	PEL	STEL
Glycerite	N/A	N/A	N/A	N/A
Ethylene glycol Monobutyl ether	20	N/A	240 mg/m ³ 50	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**
- Respiratory Protection:** If exposure cannot 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.
- Eye Protection:** Use safety glasses, goggles or full face shield where required.
- Skin Protection:** Use chemically impervious nitrile or neoprene gloves. Wear long sleeved protective clothing. When required, wear impervious rubber apron. The selection of personal protective equipment and clothing varies, depending upon conditions of use.

SECTION 9: PHYSICAL PROPERTIES

% Volatiles by Weight:	49
Auto Ignition Temperature:	Data Not Available
Boiling Point:	>100 °C / >212 °F
Decomposition Temperature:	Data Not Available
Explosive Limit:	Not Applicable
Flammability (solid, gas):	Non-Flammable
Flash Point (Setaflash Closed Cup):	Not Applicable
Freezing Point:	<0 °C / <32 °F
Melting Point:	Data Not Available
Odour Threshold:	Data Not Available
Odour:	Slightly Sweet
Partition Coefficient:	Data Not Available
pH:	1.5 – 2.5
Physical State/Appearance:	Milky White Liquid
Relative Evaporation Rate (Butylacetate=1)	Data Not Available
Solubility in Water:	Miscible
Vapour Density:	Data Not Available
Vapour Pressure:	Data Not Available
Viscosity:	Fluid

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SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Avoid contact with incompatibles
Chemical Stability:	Stable at normal condition of usage
Possibility of Hazardous Reactions:	Will not occur
Conditions to Avoid:	Avoid ignition sources, heat, sparks, open flame, direct sunlight and extremely high or low temperatures. Protect from light. Sensitive to air. Avoid moisture.
Incompatibles:	Strong oxidizing agents. Strong bases. Heavy metal salts. Alkalis. Lime water. Albumin. Gelatin.
Hazardous Decomposition Products:	Carbon monoxide. Carbon dioxide (CO ₂)

SECTION 11: TOXICOLOGICAL INFORMATION

Name	LD 50			LC 50		
	mg/kg	Animal	Route	ppm	Animal	Route
Glycerite	2260	Rat	Oral	N/A	N/A	N/A
Ethylene glycol Monobutyl ether	530 400 - 500	Rat Rat	Oral Dermal	450	Rat	Inhalation, 4h
<i>N/A = Not Available N/E = Not Established</i>						

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:	Inhalation of vapour or mist can cause drowsiness, cause damage to lungs, brain and central nervous system. Inhalation of dust from sanding may cause damage to lungs.
Symptoms/Injuries after Eye Contact:	Contact with eyes can cause irritation. Redness. Pain. Tears. Blurred vision. May cause corneal injury. Avoid contact with eyes.
Symptoms/Injuries after Skin Contact:	May be harmful by skin contact. Substance may cause slight skin irritation. Redness. Pain. Readily absorbed through skin. Avoid contact with skin.
Symptoms/Injuries after Ingestion:	May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Liver injury may occur. Do not ingest.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:	No test data on mixture.
VOC (g/L):	80
Persistence and Degradability:	No test data on mixture.
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) can be dangerous. Do not cut, weld, drill or grind on or near this container.
- Methods of Disposal:** Contact waste disposal services. 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:	Non Regulated.
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 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	Physical hazard 0	Protective Equipments B
NFPA:	Health 2	Flammability 0	Reactive Instability 0	Special Hazard 2

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DISCLAIMER

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END OF SAFETY DATA SHEET