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SAFETY DATA SHEET

Product Code: MC430Y
Product Trade Name: Red Oxide Corrosion Resistant W/B
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 613-996-6666

SECTION 2: HAZARDS IDENTIFICATION

Classification:

	Category
Acute Toxicity – Inhalation	3
Acute Toxicity - Oral	4
Acute Toxicity – Dermal	3
Skin Irritation	2
Serious Eye Damage/Eye Irritation	2A
Signal word:	DANGER!

Hazard Statements:

- Toxic if inhaled
- Toxic if contact with skin
- Harmful if swallowed
- Causes serious eye irritation
- Causes skin irritation

Precautionary Statements:

- Use only outdoors or in a well-ventilated area
- Wear protective gloves/protective clothing/eye protection/face protection
- Do not breathe dust/gas/mist/vapours
- Wash with plenty of water and soap thoroughly after handling

Other Hazards Which do not Result in Classification:

- Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea
- May be an aspiration hazard. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal.

Hazard Pictograms:



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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS #	WT RANGE %
2-butoxyethanol	111-76-2	2.63
<i>N/A = Not Available N/E = Not Established</i>		

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:** Immediate medical attention is required. Flush eyes with gentle flowing water for 10-15 minutes. Remove contact lenses if present and easy to do.
- Ingestion:** Immediate medical attention required. DO NOT induce vomiting. Rinse mouth and drink plenty of water. 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):

- Toxic in contact with skin. Contact may cause redness, swelling and a painful sensation.
- Toxic if inhaled. Symptoms may include dizziness and headache to unconsciousness.
- Causes serious eye irritation. Symptoms may include tearing, redness and discomfort.
- Harmful if swallowed. Symptoms may include nausea, vomiting and diarrhea.
- May cause respiratory irritation. Symptoms may include coughing and breathing difficulties.

Indication of any Immediate Medical Attention and Special Treatment Needed:

- Treat symptomatically

SECTION 5: FIRE-FIGHTING MEASURES

- Suitable Extinguishing Media:** Dry powder, alcohol-resistant foam, water spray.
- Unsuitable Extinguishing Media:** Do not use a heavy water stream or water jet.
- Specific Hazards Arising from the Substance or Mixture:** Under certain conditions in case of fire other hazardous combustion products may be generated.
- 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.

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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. Keep people away and stay on the upwind side.

Environmental Precautions: Do not allow to enter drains or waterway. Contain contaminated water/firefighting water.

Methods and Materials for Containment and Clean Up: Spills should be contained, solidified, and placed in suitable containers for disposal. Dispose of absorbed material in accordance with regulations. Pick up with inert absorbent material (if possible). Ventilate the area.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Ensure thorough ventilation of stores and work areas. Handle and open container with care. Closed containers should only be opened in well-ventilated areas. Avoid contact with the skin, eyes, and clothing. Handle in accordance with good industrial hygiene and safety practice.

Conditions for Safe Storage: Use in a cool, dry and well ventilated area. Segregate from acids and acid forming substances.

Incompatibles: Strong oxidizers (ei. Chlorine, peroxides, etc.).

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	ACGIH TLV (ppm)		OSHA Pel (ppm)	
	TWA	STEL	PEL	STEL
2-butoxyethanol	20	N/A	50	N/A
<i>N/A = Not Available N/E = Not Established</i>				

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. Ensure eye wash fountains and safety showers are easily accessible.

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/Face Protection: Tightly fitting safety goggles (chemical goggles). Wear 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.

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SECTION 9: PHYSICAL PROPERTIES

% Volatiles by Weight:	57.02
Auto Ignition Temperature:	Data Not Available
Boiling Point:	>100° C / 212 °F
Decomposition Temperature:	Data Not Available
Explosive Limit:	Data Not Available
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:	Slight Musty
Partition Coefficient:	Data Not Available
pH:	9.0 - 9.5
Physical State/Appearance:	Coloured Liquid
Relative Evaporation Rate (Butylacetate=1)	Data Not Available
Solubility in Water:	Miscible
Specific Gravity:	1.10 – 1.20
Vapour Density:	Data Not Available
Vapour Pressure:	Data Not Available
Viscosity:	160 – 200 cps

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Avoid contact with incompatibles
Chemical Stability:	Stable at normal condition of usage
Possibility of Hazardous Reactions:	Should not occur
Conditions to Avoid:	Do not use in areas without adequate ventilation
Incompatibles:	Strong oxidizing agents. Strong bases. Heavy metal salts. Alkalis. Lime water. Albumin. Gelatin.
Hazardous Decomposition Products:	Carbon oxides, nitrogen oxides, nitrous gases.

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SECTION 11: TOXICOLOGICAL INFORMATION

Name	LD 50			LC 50		
	mg/kg	Animal	Route	ppm	Animal	Route
2-butoxyethanol	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: May be harmful if inhaled. Symptoms may include upper respiratory irritation, coughing, and breathing difficulties. Excessive exposure may cause irritation to upper respiratory tract (nose and throat) and lungs. Inhalation may cause headache, nausea and central nervous effects such as dizziness, coordination difficulties and unconsciousness.

Symptoms/Injuries after Eye Contact: Causes moderate to severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Avoid contact with eyes.

Symptoms/Injuries after Skin Contact: Substance may cause slight skin irritation with itching and local redness. Prolonged contact may cause more severe irritation with discomfort or pain, local redness and swelling, possible skin destruction. Avoid contact with skin.

Symptoms/Injuries after Ingestion: Ingestion of large amounts may cause nausea, vomiting, diarrhea, as well as depression of the central nervous system. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Do not ingest.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity:	No test data on mixture.
VOC (g/L):	31
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.

SECTION 13: DISPOSAL CONSIDERATIONS

Handling for Disposal: Handle waste according to recommendations in Section 7.

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.

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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:	Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures in sections 7 and 8.
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 1	Flammability 0	Physical hazard 0	
NFPA:	Health 1	Flammability 0	Reactive Instability 0	Special Hazard 0

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DISCLAIMER

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END OF SAFETY DATA SHEET