

## MATERIAL SAFETY DATA SHEET

### SECTION I: IDENTIFICATION OF PRODUCT

PRODUCT NAME: C-303cw PHONE: (780) 352-2436  
PRODUCT USE: Corrosion Inhibitor  
CHEMICAL FAMILY: Quaternary Amine in Methanol

### WORK PLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: B2 D2(B)  
WORK PLACE HAZARD: Flammable Liquid: skin and eye irritant

### TRANSPORTATION OF DANGEROUS GOODS (TDG)

SHIPPING NAME: Flammable Liquid, Toxic N.O.S. (Methanol & Isopropanol)  
TDG CLASSIFICATION: 3 (6.1)  
UN NUMBER (PIN): 1992  
PACKING GROUP: II

### SECTION II: HAZARDOUS INGREDIENTS

<u>INGREDIENT</u>	<u>PERCENT</u>	<u>CAS NUMBER</u>	<u>LD<sub>50</sub> Oral-Rat</u>	<u>LC<sub>50</sub> rat(inh)</u>	<u>ACGIH TLV</u>
Methanol	20-30	67-56-1	5628 mg/kg	64000 ppm/4 hr	Not Available
Isopropanol	10-30	67-63-0	Not available	Not Available	400 ppm

### SECTION III: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: (xx)SKIN (xx)EYE CONTACT (xx)INHALATION (xx)INGESTION

EYE CONTACT: May cause severe irritation to the eyes.

SKIN CONTACT: May cause drying, cracking, irritation, redness and itching to the skin; may cause dermatitis. May cause severe burning of skin in some individuals. Indications may take 4 to 24 hours to develop.

INGESTION: This product causes irritation of the mouth and throat. May cause CNS depression and blindness.

**INHALATION:** Will be irritating to mucous membranes of nose, throat and upper respiratory tract. Headache, nausea, and dizziness are effects of acute inhalation.

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**SECTION IV: FIRST AID MEASURES**

**SKIN CONTACT:** Wash with soap and running water for 20 minutes. Wash clothes prior to reuse. If irritation persists get medical attention.

**EYE CONTACT:** Flush with running water for 20 minutes holding the eye lid open. Call a Physician and seek medical aid.

**INGESTION:** Do not induce vomiting, if swallowed. **THIS PRODUCT CONTAINS METHYL ALCOHOL.** Obtain **IMMEDIATE** medical attention. This product is toxic and immediate qualified medical attention is the only assurance that there will be no long term lasting effects.

**INHALATION:** Remove patient to fresh air. Administer oxygen if breathing is difficult. Administer CPR if breathing has ceased. Call a physician.

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**SECTION V: PHYSICAL DATA**

<b>APPEARANCE AND ODOUR :</b>	Yellow to Brown Liquid: Aromatic odour
<b>SPECIFIC GRAVITY:</b>	0.91
<b>BOILING POINT (C) :</b>	Not Available
<b>MELTING POINT (C):</b>	Not Available
<b>SOLUBILITY IN WATER:</b>	Soluble      pH: Not Applicable
<b>PERCENT VOLATILE BY VOLUME:</b>	Not Available
<b>EVAPORATION RATE:</b>	<1 (Butyl Acetate = 1)
<b>VAPOUR PRESSURE (mm Hg):</b>	Not Available
<b>VAPOUR DENSITY (Air = 1):</b>	Not Available

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**SECTION VI: FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT :	18 degree C (Setaflash closed cup)
FLAMMABLE LIMITS :	Not Available
EXTINGUISHING MEDIA :	Dry Chemical, CO2, Water, Mist, Foam
SPECIAL FIRE FIGHTING PROCEDURES :	Fire fighters must wear appropriate breathing apparatus and clothing. May release carbon monoxide and other toxic vapours when burned.
UNUSUAL FIRE AND EXPLOSION HAZARDS :	When mixed with air, flammable vapours can explode in a confined area.

**SECTION VII: REACTIVITY DATA**

STABILITY	Stable (xx)	Unstable ( )
INCOMPATIBILITY:	Strong oxidizing agents.	
CONDITIONS OF REACTIVITY:	Heat	
HAZARDOUS DECOMPOSITION:	On combustion carbon monoxide and other toxic vapours may be released.	
HAZARDOUS POLYMERIZATION:	Will not occur (xx)	May occur ( )

**SECTION VIII: PREVENTIVE MEASURES**

RESPIRATORY PROTECTION:	An approved respirator with organic vapour cartridge for concentrations up to 1000 ppm.
VENTILATION:	Local exhaust ventilation is recommended for controlled products.
PROTECTIVE GLOVES:	Viton gloves recommended
EYE PROTECTION:	Use chemical goggles or face shield when handling this product.

**OTHER PROTECTIVE EQUIPMENT:** It is suggested to use chemical resistant protective clothing when handling this product. Make eye bath and emergency shower available.

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### **PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

Practice reasonable caution and personal cleanliness. Launder exposed clothing before reuse. Avoid skin and eye contact. Wear suitable protection for eyes and skin when handling. Store in a well ventilated place away from sources of ignition..

### **STEPS TO BE TAKEN IN CASE THE MATERIAL IS SPILLED OR RELEASED**

Use appropriate safety equipment. Avoid all bodily contact with spilled material. Small spills, soak up with absorbent material. Large spills, dike to contain spill to prevent water pollution. Recover diked material; return recovered material to plant. Do not allow material to enter sanitary sewers, storm sewers or storm water inlets.

### **WASTE DISPOSAL METHOD**

Absorb spilled material with absorbent compound, incinerate/dispose to conform with local disposal regulations.

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### **SECTION IX: PREPARATION**

THE INFORMATION CONTAINED HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.

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BY: Technical Services