

MATERIAL SAFETY DATA SHEET**SECTION I: IDENTIFICATION OF PRODUCT**

PRODUCT NAME: C-304 PHONE: (780) 352-2436
PRODUCT USE: Corrosion Inhibitor
CHEMICAL FAMILY: Quaternary Amine

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, Poisonous N.O.S. (Methanol)
TDG CLASSIFICATION: 3 (6.1)
UN NUMBER (PIN): 1992
PACKING GROUP: III

SECTION II: HAZARDOUS INGREDIENTS

<u>INGREDIENT</u>	<u>PERCENT</u>	<u>CAS NUMBER</u>	<u>LD₅₀ Oral-Rat</u>	<u>LC₅₀ rat(inh)</u>	<u>ACGIH TLV</u>
Methanol	30-60	67-56-1	6.2 g/kg	6400 ppm/4 hr	200 ppm
Alkydimethyl ammonium chloride	10-30	8001-54-5	330 mg/kg	Not Available	Not Available
Ethanol	1-5	68439-70-3	7060 mg/kg	8000 mg/kg	Not Available
Nonylphenol	1-5	9016-45-9	Not Available	Not Available	Not Available

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 irritation, redness and itching to the skin; may cause dermatitis.

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.

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. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in vomitus, As even a small quantity in the lungs may result in chemical pneumonitis and pulmonary edema/haemorrhage. Obtain IMMEDIATE medical attention under direction of a physician.

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

SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR :	Brown liquid: Alcohol odor
SPECIFIC GRAVITY:	0.90
BOILING POINT (C) :	Not Available
MELTING POINT (C):	Not Applicable
SOLUABILITY IN WATER:	Soluble pH: Not Determined
PERCENT VOLATILE BY VOLUME:	Not Available
EVAPORATION RATE:	<1 (Butyl Acetate = 1)
VAPOUR PRESSURE (mm Hg):	Not Available
VAPOUR DENSITY (Air = 1):	Not Available

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT :	25 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.

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.

SECTION IX: PREPARATION

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

DATE: August 18, 1999
AMENDED: February 21, 2001
AMENDED January 10, 2003

BY: Technical Services