

C-172W  
X-CHEM, LLC  
(504) 733-5806



6120 JEFFERSON HWY.  
HARAHAN, LA 70123

**MATERIAL SAFETY DATA SHEET**  
Date of Printing: 30 January, 2014  
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(Supersedes all previous)

**SECTION I - GENERAL INFORMATION**

**Chemical Name and Synonyms:** CORROSION INHIBITOR  
**Trade Name and Synonyms:** X-CHEM C-172W

**Chemical Family:** FATTY AND QUATERNARY AMINE SALTS  
**Chemical Formula:** MIXTURE  
**C.A.S. Registry #:** NOT APPLICABLE  
**H.M.I.S. Ratings:**

Health	2
Flammability	3
Reactivity	0
Personal Protection	G

**Manufacturer's Name:** X-CHEM, LLC  
**Address:** 6120 JEFFERSON HIGHWAY  
HARAHAN, LA 70123  
**Prepared By:** Product Stewardship  
**Emergency Telephone Number:** 1-800-424-9300

**SECTION II - HAZARDOUS INGREDIENTS**

Chemical Name	C.A.S. Number	Content (Max %)	Hazards (Note A)	Status (Note B)	RQ (Note C)	Other (Note D)	TLV (Units)
Methanol	67-56-1	5-20	1,2,5	YES	5000	200	PPM Skin
Fatty imidazoline salts	68140-11-4	5-20	5	NO	N/D	N/D	N/D
Benzyl-dihydroimidium chloride	68899-18-2	2-15	5	NO	N/D	N/D	N/D
Morpholine process residue	68809-77-3	1-10	5	NO	N/D	N/D	N/D
Ethylene glycol	107-21-1	5-20	5	YES	5000	100	PPM

**Note A:** 1=TOXIC 2=FLAMMABLE 3=COMBUSTIBLE 4=CORROSIVE 5=IRRITANT 6=CARCINOGEN 7=OXIDIZER  
**Note B:** Those ingredients marked "YES" are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372.  
**Note C:** M=Marine Pollutant S=Severe Marine Pollutant O=Ozone Depleting Substance T=TSCA Restricted Use  
**Note D:** X-Chem certifies that the components of this product are listed on the TSCA inventory and, unless specifically noted, are not subject to any TSCA Section 5 use restrictions (40 CFR Part 721).

**SECTION III - PHYSICAL DATA**

**Boiling Point (°F):** >200  
**Specific Gravity (Water=1):** 0.96-0.98  
**Vapor Density (Air=1):** >1  
**Density (lbs/gal):** 7.9-8.1  
**Vapor Pressure:** ND mm Hg at 20 °C  
**Percent Volatiles:** ND  
**Evaporation Rate (ETHER=1):** <1  
**Water Solubility:** SIGNIFICANT  
**Viscosity:** LOW  
**pH:** 6.5-7.5 @ 100 %  
**Color:** DARK BROWN  
**Clarity:** CLEAR  
**Odor:** PYRIDINE-LIKE

**SECTION IV - FIRE AND EXPLOSION HAZARD**

**Flash Point (°F):** 106  
**(Method):** TCC  
**Flammable Limits:** (METHANOL) 5.5 U.E.L.%  
**FIRE EXTINGUISHING MEDIA**  
**Universal Foam:** XX  
**Carbon Dioxide:** XX  
**Water Fog/Spray:** XX  
**Alcohol Foam:** XX  
**Dry Chemical:** XX  
**Other:**

**Special Firefighting Procedures:** WEAR SELF CONTAINED BREATHING APPARATUS WHEN FIGHTING FIRES. USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS. AVOID BREATHING SMOKE OR FUMES.

**Unusual Fire and Explosion Hazards:** POSSIBLE HAZARDOUS THERMAL DECOMPOSITION PRODUCTS. SEE SECTION VII.

**SECTION V - HEALTH HAZARD DATA**

**Threshold Limit Value:** NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.  
**Units:**

**Effects of Overexposure:** ANESTHETIC EFFECTS FROM INHALATION OF HIGH CONCENTRATIONS SUCH AS DROWSINESS, HEADACHE, BLURRED VISION, DIZZINESS OR NAUSEA. IRRITATION OF EYES AND POSSIBLE IRRITATION OF SKIN ON CONTACT. REDNESS, DRYING OR DERMATITIS OF SKIN ON PROLONGED OR REPEATED CONTACT. POSSIBLE TOXICOLOGICAL EFFECTS FROM PROLONGED OR REPEATED CONTACT. POSSIBLE GASTRIC DISTURBANCE IF INGESTED.

**Primary Route(s) of Entry - Inhalation:** XX  
**Ingestion:** XX  
**Absorption:** XX  
**EMERGENCY AND FIRST AID PROCEDURES**

**Inhalation:** REMOVE VICTIM FROM CONTAMINATED AREA TO FRESH AIR. IF BREATHING HAS STOPPED, BEGIN RESUSITATION AND ADMINISTER OXYGEN. SEEK IMMEDIATE MEDICAL AID.

**Eye Contact:** FLUSH EYES COPIOUSLY WITH COOL WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL AID.

**Skin Contact:** REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE REUSE. WASH EXPOSED AREAS WITH SOAP AND WATER. IF IRRITATION PERSISTS, SEEK MEDICAL AID.

**Ingestion:** IF VICTIM IS ALERT, ADMINISTER LIQUIDS AND INDUCE VOMITTING. KEEP VICTIMS HEAD BELOW HIPS WHILE VOMITTING. SEEK MEDICAL AID.

**Notes to Physician:** GASTRIC LAVAGE IS INDICATED.

**SECTION VI - TOXICITY INFORMATION**

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.  
 METHANOL:  
 ORAL - HUMAN: LDLo: 340 MG/KG  
 INHL - HUMAN: TClO: 86 G/M3: IRR  
 ORAL - RAT: LD50: 13 G/KG  
 ORAL - HUMAN: LD: 100-250 ML

**SECTION VII - REACTIVITY DATA**

**Stability:** Unstable: Stable: XX  
**Conditions to Avoid:** NOT APPLICABLE

**Incompatibility (Materials to Avoid):**  
 STRONG OXIDIZING AGENTS SUCH AS CHLORINE OR NITRATES.

**Hazardous Decomposition Products:**  
 CARBON MONOXIDE AND DIOXIDE COMBUSTION PRODUCTS,  
 OXIDES OF SULFUR AND NITROGEN AS THERMAL DECOMPOSITION PRODUCTS,  
 VARIOUS HYDROCARBONS FROM VOLATILIZATION AND THERMAL DECOMPOSITION,  
 AMMONIA VAPORS FROM THERMAL DECOMPOSITION.

**Hazardous Polymerization:** May Occur: Will Not Occur: XX  
**Conditions to Avoid:** NOT APPLICABLE

**SECTION VIII - SPILL OR LEAK REGULATIONS**

**Steps to Take if Material is Released or Spilled:**  
 ELIMINATE ALL SOURCES OF IGNITION.  
 CONTAIN SPILL AND PICK UP FREE LIQUID.  
 SOAK UP RESIDUE WITH ABSORBENT MATERIAL.  
 PREVENT CONTAMINATION OF WATERWAYS OR SEWERS.

**Waste Disposal Method:**  
 RECLAMATION OR CHEMICAL INCINERATION  
 ACCORDING TO ALL LOCAL, STATE AND FEDERAL REGULATIONS.

**Neutralizing Agent(s):**  
 NONE

**SECTION IX - SPECIAL PROTECTION INFORMATION**

**Required Ventilation:**  
 LOCAL EXHAUST ADEQUATE TO KEEP CONCENTRATION BELOW PERMISSIBLE LIMITS.  
 DO NOT USE WITHOUT ADEQUATE VENTILATION ESPECIALLY IN CONFINED SPACES.

**Respiratory Protection:**

IF USED WITH ADEQUATE VENTILATION, NO RESPIRATOR IS REQUIRED.  
 WHERE VENTILATION IS INADEQUATE, THE FOLLOWING ARE RECOMMENDED:  
 FOR FUMES OF METHANOL EXCEEDING  
 2000 PPM: SA/SCBA  
 10,000 PPM: SAF/SCBAF  
 25,000 PPM: SAF:PD,PP,CF  
 ESCAPE: SCBA

**Protective Gloves:**  
 NEOPRENE, RUBBER OR OTHER IMPERVIOUS FABRIC FOR CONCENTRATED PRODUCT.

**Eye Protection:**  
 CHEMICAL GOGGLES OR FACESHIELD.

**Other Protection:**  
 LONG SLEEVES AND PANTS.  
 SAFETY SHOWER AND EYEWASH STATION.

**SECTION X - STORAGE AND HANDLING INFORMATION**

**Precautions in Handling and Storage:**  
 KEEP AWAY FROM EXCESSIVE HEAT, FIRE, FLAME OR SPARKS.  
 KEEP CONTAINER CLOSED WHEN NOT IN USE.  
 FOR INDUSTRIAL USE ONLY.

**Other Precautions:**  
 KEEP OUT OF REACH OF CHILDREN.  
 AVOID CONTACT WITH SKIN AND EYES.  
 AVOID BREATHING FUMES OR VAPORS.  
 READ ENTIRE SHEET BEFORE USING PRODUCT.

**SECTION XI - TRANSPORTATION INFORMATION**

**D.O.T. Proper Shipping Name(s):**  
 RO FLAMMABLE LIQUID, n.o.s., (contains METHANOL)  
 FLAMMABLE LIQUID, n.o.s., (contains METHANOL)  
**Reportable Quantity:** 3787 (Methanol) Gallons  
**Hazard Class:** 3 **ID Number:** UN1993 **Packing Group:** III  
**Emergency Response Guide Number:** ERG2012: 127

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