

**MATERIAL SAFETY DATA SHEET
THE CORTEC CORPORATION
4119 WHITE BEAR PARKWAY
ST. PAUL, MINNESOTA 55110
PHONE: 651-429-1100 OR TOLL FREE 1-800-4-CORTEC**

EMERGENCY PHONE NO.: CHEMTREC (FOR SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT): 1-800-424-9300 (DAY OR NIGHT)

***** VCI-377 D 1:10 *****

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: **VCI-377 D 1:10**
PRODUCT DESCRIPTION: Proprietary water-based corrosion inhibitor coating.

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT NAME(S)	WEIGHT (%)	OCCUPATIONAL EXPOSURE LIMITS	
		TLV OR PEL	ORAL LD-50
Salt of tall oil fatty acid	<3	N.E.	N.E.

Carcinogenic: **OSHA** = no **NTP** = no **IARC** = no

SECTION III - PHYSICAL DATA

COLOR: Clear amber PHYSICAL FORM: Liquid
NON-VOLATILE (weight): N.A. MELTING RANGE: N.A.
ODOR: Slight pH: 7.8-8.3 (Neat)
FREEZING POINT: N.E. BOILING RANGE: N.E.
VAPOR DENSITY: N.E. VAPOR PRESSURE: N.E.
EVAPORATION RATE: N.E.
DENSITY: 8.3-8.4 lb/gal (0.99-1.01 kg/l)

SECTION IV - FIRE AND EXPLOSION DATA

HMIS FLAMMABILITY RATING: 0
FLASH POINT: N.A.
FLAMMABLE LIMITS: LEL: N.E. UEL: N.E.
EXTINGUISHING MEDIA: Water, carbon dioxide, foam, or other dry chemical fire fighting agents.
UNUSUAL FIRE AND EXPLOSION HAZARDS: N.A.
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear self-contained breathing apparatus and full protective gear.

SECTION V - HEALTH HAZARD DATA

EMERGENCY AND FIRST AID PROCEDURES:
Eye Contact: Flush eyes with water for at least 15 minutes. Consult a physician. Skin Contact: Wash affected area with soap and water. If irritation persists, consult a physician. Inhalation: Remove to an uncontaminated area, administer oxygen if necessary. If victim has stopped breathing begin CPR. Get medical attention. Ingestion: If conscious, give large quantities of water. Do not induce vomiting.
MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: None known
PRIMARY ROUTES OF ENTRY: Skin and eye contact.
HEALTH HAZARDS (acute and chronic) / EFFECTS OF OVEREXPOSURE:
1. Eye contact with this material causes irritation and possible damage unless prompt first aid measures area taken.
2. Prolonged or repeated skin contact with this material can cause irritation, redness or rash due to the alkaline nature

- of this product. Person sensitized by contact with product may develop an allergic reaction.
- Ingestion of this product is not likely to cause harmful effect.
 - Aspiration of swallowed liquid may cause damage of lungs.

SECTION VI REACTIVITY DATA

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen.
INCOMPATIBILITY: Strong oxidizing of reducing agents.
CONDITIONS TO AVOID: Contact with incompatible materials.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb on sweeping compound or other absorbent material. Place in closed container for disposal.
WASTE DISPOSAL: Dispose of in accordance with existing Federal, State and Local environmental regulations.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: If product is sprayed, use a combination vapor-dust/mist or dust/mist respirator.
PROTECTIVE GLOVES: Chemical resistant rubber or plastic.
EYE PROTECTION: Chemical splash goggles.
OTHER PROTECTIVE EQUIPMENT: None required.

SECTION IX - SPECIAL PRECAUTIONS AND STORAGE DATA

PRECAUTIONS TO BE TAKEN IN HANDLING: Avoid eye and prolonged skin contact. Use in a well-ventilated environment.
PRECAUTIONS TO BE TAKEN IN STORING: Keep containers tightly closed.

SECTION X - SHIPPING DATA

DOT/IMDG/IATA SHIPPING NAME: N.A.
U.N. / N.A. NUMBER: N.A.
DOT/IMDG/IATA HAZARD CLASS: N.A.
T.S.C.A. STATUS: Listed
DOT/IMDG/IATA REQUIRED LABELS: N.A.
TECHNICAL SHIPPING NAME: N.A.
FREIGHT CLASS BULK: N.A.
LTL: 70 TL: 35 MW: 30
PREPARED BY: Margarita Kharshan, R&D Manager
APPROVED BY: Boris Miksic, President/CEO
DATE PREPARED: 4/8/99 SUPERSEDES: 5/22/98

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N.E. = NOT ESTABLISHED N.A. = NOT APPLICABLE