

**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
FAX: 651-429-1122**

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

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

*****VpCI™-649*****

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: **VpCI™-649**
PRODUCT DESCRIPTION: A proprietary mixture of corrosion inhibitors.

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT NAME(S)	WEIGHT PERCENT	OCCUPATIONAL EXPOSURE LIMITS	
		TLV OR PEL	ORAL LD-50
N.A.		N.E.	N.E.

Carcinogenic: OSHA = no NTP = no IARC = no

SECTION III - PHYSICAL DATA

COLOR: Clear amber NON-VOLATILE (weight): 45-52%
PHYSICAL FORM: Liquid VAPOR DENSITY: N.E.
pH: 8.9-9.3(Neat) VAPOR PRESSURE: N.E.
BOILING RANGE: N.E. MELTING RANGE: N.A.
ODOR: Faint
DENSITY: 9.4-9.5 lb/gal (1.13-1.14 kg/l)
EVAPORATION RATE: Same as water

SECTION IV - FIRE AND EXPLOSION DATA

HMIS FLAMMABILITY RATING: 0
FLASH POINT: None
FLAMMABLE LIMITS: LEL: N.E. UEL: N.E.
EXTINGUISHING MEDIA: Water, carbon dioxide or other dry chemical fire fighting agents.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear self-contained breathing apparatus.

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. Get medical attention. Ingestion: If victim is conscious, give milk or water and induce vomiting. If victim has stopped breathing begin CPR. Get immediate medical attention.
MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: None known.
PRIMARY ROUTES OF ENTRY: Inhalation, skin contact, Eye contact.
HEALTH HAZARDS (acute and chronic) / EFFECTS OF OVEREXPOSURE:
1. Eye contact with this product may be irritating.
2. Repeated or prolonged skin contact with this product may product mild, reversible skin irritation.
3. Inhalation of product vapors and/or particle mists resulting from the use of this product may be harmful.
4. Ingestion of this product may be harmful.

SECTION VI - REACTIVITY DATA

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. WASTE DISPOSAL: Incinerate or dispose of in accordance with existing Federal, State and Local environmental regulations.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: A NIOSH approved dust/mist respirator is recommended if particle mists are generated.
PROTECTIVE GLOVES: Chemical resistant rubber or plastic.
EYE PROTECTION: safety goggles.
OTHER PROTECTIVE EQUIPMENT: Eye wash station.

SECTION IX - SPECIAL PRECAUTIONS AND STORAGE DATA

PRECAUTIONS TO BE TAKEN IN HANDLING: Avoid eye and repeated skin contact.
PRECAUTIONS TO BE TAKEN IN STORING: Keep containers tightly closed.

SECTION X - SHIPPING DATA

DOT/IMDG/IATA SHIPPING NAME: N.A.
UN/NA 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.

PREPARED BY: Alla Furman, Sr. Corrosion Engineer
APPROVED BY: Margarita Kharshan, Lab Director
DATE PREPARED: 11/19/02 SUPERSEDES: 3/26/01

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