

**MATERIAL SAFETY DATA SHEET
CORTEC CORPORATION
4119 WHITE BEAR PARKWAY
ST. PAUL, MINNESOTA 55110
PHONE: 651-429-1100 OR TOLL FREE 1-800-4-CORTEC
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EMERGENCY PHONE NO.: CHEMTREC (FOR SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT): 1-800-424-9300 (DAY OR NIGHT)

***** Bull Frog Rust Blocker 93896 *****

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: **Bull Frog Rust Blocker 93896**

PRODUCT DESCRIPTION: Water-based coating to rustproof iron, steel and other ferrous metals.

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT NAME(S)	WEIGHT PERCENT	OCCUPATIONAL EXPOSURE LIMITS	
		TLV OR PEL	ORAL LD-50
2-Propanol, 1-butoxy-	<1.5	N.E.	2200 mg/kg, rat
Ester alcohol	<1.5	N.E.	*3200 mg/kg, rat *LDL0

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

SECTION III - PHYSICAL DATA

COLOR: Off-white to beige

PHYSICAL FORM: Viscous liquid

NON-VOLATILE (weight): 27-33%

FREEZING POINT: N.E.

pH: 9.5-10.5 (Neat)

EVAPORATION RATE: N.E.

VAPOR PRESSURE: N.E.

DENSITY: 8.0-8.3 lb/gal (0.96-0.99 kg/l)

ODOR: Characteristic

BOILING RANGE: N.E.

MELTING RANGE: N.A.

VAPOR DENSITY: N.E.

SECTION IV - FIRE AND EXPLOSION DATA

HMIS FLAMMABILITY RATING: 1

FLASH POINT: N.E.

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. If victim has stopped breathing begin CPR. Get medical attention. Ingestion: If swallowed, do not induce vomiting.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: None known.

PRIMARY ROUTES OF ENTRY: Inhalation, skin and eye contact.

HEALTH HAZARDS (acute and chronic) / EFFECTS OF OVEREXPOSURE:

1. Repeated or prolonged skin contact with this material can cause skin irritation.

2. Eye contact with this material causes irritation.

- Excessive inhalation of high vapor concentrations may irritate the upper respiratory tract. If the product is sprayed or atomized, inhalation of particle mists may irritate the upper respiratory tract and should be avoided.
- Ingestion of this product is expected to be harmful.

SECTION VI - REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen.

INCOMPATIBILITY: Strong acids, alkalis and oxidizing 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. Keep out of streams or waterways.

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 respirator when used in closely confined areas.

PROTECTIVE GLOVES: Not necessary.

EYE PROTECTION: Safety goggles.

OTHER PROTECTIVE EQUIPMENT: Not necessary.

SECTION IX - SPECIAL PRECAUTIONS AND STORAGE DATA

PRECAUTIONS TO BE TAKEN IN HANDLING: Avoid eye and skin contact. Avoid excessive inhalation of vapors and/or particle mists. Use in a well ventilated environment.

PRECAUTIONS TO BE TAKEN IN STORING: Keep product from freezing, store at 40°F (4°C) or above. Keep away from heat or open flame.

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: Margarita Kharshan, R&D Manager

APPROVED BY: Christophe Chandler, Lab Director

DATE PREPARED: 8/18/00 SUPERSEDES: 1/20/98

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N.E. = NOT ESTABLISHED

N.A. = NOT APPLICABLE