

MATERIAL SAFETY DATA SHEET
CORTEC CORPORATION
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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 Cleaner & Degreaser 94166 *****

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: **BullFrog Cleaner/Degreaser 94166**

PRODUCT DESCRIPTION: Cleaner/degreaser blended with a proprietary water based corrosion inhibitor.

SECTION II - HAZARDOUS INGREDIENTS

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

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

SECTION III - PHYSICAL DATA

COLOR: Clear slightly yellow PHYSICAL FORM: Liquid
 ODOR: Mild pH: 10.5-11.5 (Neat)
 NON-VOLATILE (weight): 11-15% VAPOR DENSITY: N.E.
 MELTING RANGE: N.A. VAPOR PRESSURE: N.E.
 BOILING RANGE: N.E.
 DENSITY: 8.5-8.6 lb/gal (1.03-1.04 kg/l)
 EVAPORATION RATE: Same as water

SECTION IV - FIRE AND EXPLOSION DATA

HMIS FLAMMABILITY RATING: 0
 FLASH POINT: >212°F (>100°C)
 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: 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 large quantities of lukewarm water for at least 15 minutes. If the material is not easily flushed from the eye, rinse with USP mineral oil to dissolve product. Follow with isotonic saline. 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, give large quantities of water. Do not induce vomiting. Get immediate medical attention.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: None known

PRIMARY ROUTES OF ENTRY: Eye and skin contact.

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

1. Eye contact with this product will cause irritation and possible damage unless prompt first aid measures are taken.
2. Repeated or prolonged contact will produce skin irritation, redness or rash due to the alkaline nature of this product.
3. Inhalation of particle mists from spraying or atomizing the product may be irritating to the upper respiratory tract.
4. Ingestion of this product is expected to produce gastrointestinal irritation.

SECTION VI - REACTIVITY DATA

STABILITY: Stable
 HAZARDOUS POLYMERIZATION: Will not occur.
 HAZARDOUS DECOMPOSITION PRODUCTS (under fire conditions): Oxides of carbon, nitrogen and sulfur.
 INCOMPATIBILITY: Strong oxidizing agents, acids.
 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: A NIOSH/OSHA approved respirator for product vapors when used in confined areas. If product is sprayed, use a combination vapor-dust/mist or dust/mist respirator.
 PROTECTIVE GLOVES: Chemical resistant rubber or plastic.
 EYE PROTECTION: Splash goggles/safety glasses
 OTHER PROTECTIVE EQUIPMENT: Eye wash station, safety shower.

SECTION IX - SPECIAL PRECAUTIONS AND STORAGE DATA

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

SECTION X - SHIPPING DATA

T.S.C.A. STATUS: Listed
 DOT/IATA/IMDG SHIPPING NAME: N.A.
 UN/NA NUMBER: N.A.
 DOT/IATA/IMDG HAZARD CLASS.: N.A.
 DOT/IATA/IMDG 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: 4/8/97

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