

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

FAX: 651-429-1122

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

*****Bull Frog Oil System Additive 93296*****

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: **Bull Frog Oil Sys. Add. 93296**

PRODUCT DESCRIPTION: A proprietary blend of corrosion inhibitors in an oil carrier.

SECTION II - INGREDIENTS

INGREDIENT NAME(S)	WEIGHT PERCENT	OCCUPATIONAL EXPOSURE LIMITS	
		TLV OR PEL	ORAL LD-50
naphthenic distillates	60-65	5mg/m ³ (oil mist)	N.E.

SECTION III - PHYSICAL DATA

COLOR: Brown/tan PHYSICAL FORM: Liquid
ODOR: Petroleum NON-VOLATILE(weight): 87-92%
pH: 9.5-10.5 (1% aqueous) BOILING RANGE: N.E.
MELTING RANGE: N.A. VAPOR DENSITY: N.E.
VAPORIZATION RATE: N.E. VAPOR PRESSURE: N.E.
WEIGHT GALLON: 7.4-7.7 lb./gal (0.89-0.92 kg/l)

SECTION IV - FIRE AND EXPLOSION DATA

FLAMMABILITY CLASSIFICATION: 1
FLASH POINT: 295 F (COC)
FLAMMABLE LIMITS: LEL: N.E. UEL: N.E.
EXTINGUISHING MEDIA: 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. Cool tanks and container exposed to fire with water.

SECTION V - HEALTH HAZARD DATA

EMERGENCY AND FIRST AID PROCEDURES:
Eye Contact: Flush eyes with large amounts of water. Consult a physician immediately. 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 water but **do not induce vomiting**. Get immediate medical attention.

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 petroleum and related products tend to remove natural skin oils leading to irritation and dermatitis
2. Contact with eye tissues will cause irritation and possible damage unless first aid measures are taken.
3. Inhalation of product vapors is not expected at ambient temperatures because of the low vapor pressure of the product. Inhalation of particle mists or vapors from hot product may be harmful to the respiratory system. Minimize exposure to mists, fumes or vapors.
4. Ingestion of this product is expected to be harmful. Ingestion could result in aspiration into the lungs possibly leading to chemical pneumonia.

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 petroleum out of streams and 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 to remove vapors or particle mists when necessary.

PROTECTIVE GLOVES: Chemical resistant rubber or plastic.

EYE PROTECTION: Safety goggles.

OTHER PROTECTIVE EQUIPMENT: Eye wash station, safety shower.

SECTION IX - SPECIAL PRECAUTIONS AND STORAGE A

PRECAUTIONS TO BE TAKEN IN HANDLING: Avoid contact with skin and eyes. Avoid inhalation of vapors.

PRECAUTIONS TO BE TAKEN IN STORING: "Empty" containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION: THEY MAY EXPLODE CAUSING INJURY OR DEATH. Do not attempt to clean since residue is difficult to remove. Completely drain "Empty" drums, properly bung and promptly dispose in an environmentally safe manner and in accordance with governmental regulations. Recycle drums only through qualified reprocessing organizations.

SECTION X - SHIPPING DATA

DOT SHIPPING NAME: N.A.

U.N. / N.A. NUMBER: N.A.

DOT HAZARD CLASS.: N.A.

T.S.C.A. STATUS: Listed

DOT REQUIRED LABELS: N.A.

TECHNICAL SHIPPING NAME: N.A.

FREIGHT CLASS BULK: Same as above

LTL: 65 TL: 35 MW: 30

PREPARED BY: Brian Wuertz, Technical Service Engineer

APPROVED BY: Margarita Kharshan, Lab. Director

DATE PREPARED: 11/19/02 SUPERSEDES: 9/9/96

DISCLAIMER: This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of the Cortec Corporation. The data on this sheet relates only to the specific material designated herein. The Cortec Corporation assumes no legal responsibility for use or reliance upon this data.

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