

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

\*\*\*\*\* BullFrog 91321 \*\*\*\*\*

**SECTION I - PRODUCT IDENTIFICATION**

PRODUCT NAME: **BullFrog 91321**  
PRODUCT DESCRIPTION: A polyurethane foam impregnated with a proprietary corrosion inhibitor.

**SECTION II - HAZARDOUS INGREDIENTS**

INGREDIENT NAME(S)	WEIGHT (%)	OCCUPATIONAL EXPOSURE LIMITS	
		TLV OR PEL	ORAL LD-50
Trade Secret	3-5 %	10 mg/m <sup>3</sup> (ACGIH) 15 mg/m <sup>3</sup> (OSHA) (as nuisance dust)	675 mg/kg-rat

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

**SECTION III - PHYSICAL DATA**

COLOR: Off-white to beige      ODOR: Slight  
PHYSICAL FORM: Open cell foam  
NON-VOLATILE (weight): >96%      pH: N.A.  
VAPOR DENSITY: N.E.      MELTING RANGE: N.A.  
VAPOR PRESSURE: N.E.      BOILING RANGE: N.E.  
EVAPORATION RATE: N.E.      DENSITY: N.A.

**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: Polyurethane foam burns very rapidly forming thick smoke and possible toxic decomposition products.  
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, give water or milk and induce vomiting. Get immediate medical attention.  
MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: None known  
PRIMARY ROUTES OF ENTRY: Eye contact, Skin contact  
HEALTH HAZARDS (acute and chronic) / EFFECTS OF OVEREXPOSURE:  
1. Eye contact with this product may produce irritation.  
2. Repeated or prolonged contact may cause mild skin irritation.

- Inhalation of product vapors is not expected to pose a significant health hazard due to the low vapor pressure of the product.
- Ingestion of this product may be harmful.

**SECTION VI - REACTIVITY DATA**

STABILITY: Stable  
HAZARDOUS POLYMERIZATION: Will not occur.  
HAZARDOUS DECOMPOSITION PRODUCTS (Under fire conditions): Burning polyurethane foams produce toxic decomposition products that are not significantly different from those of other nitrogen-containing polymer such as wool, leather, nylon, and ABS. The major toxicants are carbon monoxide, oxides of nitrogen, hydrogen cyanide.  
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: Collect as normal solid waste.  
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 approved dust/mist respirator if necessary.  
PROTECTIVE GLOVES: Chemical resistant rubber or plastic.  
EYE PROTECTION: Safety goggles.  
OTHER PROTECTIVE EQUIPMENT: Eye wash station.

**SECTION IX - SPECIAL PRECAUTIONS AND STORAGE**

PRECAUTIONS TO BE TAKEN IN HANDLING: Avoid eye contact and prolonged or repeated skin contact. Workers should thoroughly wash hands with soap and water prior to eating, drinking, smoking and using lavatory.  
PRECAUTIONS TO BE TAKEN IN STORING: Keep storage containers tightly closed. Store in a cool dry place. Store away from foodstuffs

**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.

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DATE PREPARED: 1/19/07      SUPERSEDES: 10/31/02

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