

# MATERIAL SAFETY DATA SHEET

(Prepared According to 29 CFR 1910.1200)

## SECTION I - PRODUCT IDENTIFICATION

Fiberlock Technologies, Inc.  
150 Dascomb Rd.  
Andover, MA 01810  
978-623-9987  
978-475-6205 fax  
www.fiberlock.com

## RECON™ Extreme Duty Cleaner (3024)

Date of Preparation: February 24, 2004  
Information Telephone Number: 978-623-9987  
Emergency Telephone Numbers:  
Weekdays: 978-623-9987  
After hours, weekends & holidays: "CHEMTEL"  
Emergency Contact Number: 800-255-3924

## SECTION II - INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	SARA III List	OSHA PEL	ACGIH TLV
2-Butoxyethanol	111-76-2	Yes*	25(skin)	25(skin)
Monoethanolamine	141-43-5	No	3(TWA)	3(TWA)
Potassium Hydroxide	1310-58-3	No	2mg/m3	2mg/m3

Other non-hazardous ingredients constitute less than 1%. This product does not contain any toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372

## SECTION III - PHYSICAL DATA

Boiling Point (°F): 212 F.	Vapor Density (Air=1): N/D	Evaporation Rate (Water=1): 1
Specific Gravity: 1.05	pH: 12.0-13.0	Physical Description: Clear, purple, thin liquid with butyl odor.
Vapor Pressure: N/A	Solubility in Water: Soluble	

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): None  
Extinguishing Media: Product is not considered combustible.  
Use media compatible with surrounding fire.  
Special Firefighting Procedures: Cool fire exposed containers with water spray.  
Unusual Fire and Explosion Hazards: None identified

## SECTION V - REACTIVITY DATA

Stability: Stable  
Hazardous Polymerization: None  
Hazards Decomposition Products: CO, CO<sub>2</sub>, oxides of phosphorous & nitrogen and unidentified organic compounds.  
Incompatibility (Materials to Avoid): Bare or reactive metals. Strong oxidizers, strong acids.  
Conditions to Avoid: Exposure to bare or reactive metals.

## SECTION VI - STORAGE AND HANDLING INFORMATION

Keep out of reach of children. Store in original shipping containers. Keep container closed during storage. Protect from extreme heat and cold.

## SECTION VII - HEALTH HAZARDS AND FIRST AID

### Effects of Overexposure:

**Skin:** Corrosive. Can cause severe skin burns and permanent skin damage. Prolonged or widespread skin contact may result in absorption of potentially harmful amounts material. **Eyes:** Corrosive. Prolonged contact with liquid or mist can cause chemical burns resulting in severe or permanent eye injury. **Inhalation:** Vapors may be irritating in high concentrations. Prolonged breathing of non-irritating concentrations may damage liver and/or kidney damage. **Ingestion:** Highly irritating to mucous membranes. Nausea, vomiting.

### First Aid Procedures:

**Skin:** Wash with soap and water. Neutralize with vinegar solution if readily available. Flush with water. Remove contaminated clothing. **Eyes:** Flush with water for 15 minutes. If irritation persists seek medical attention. **Inhalation:** Remove to fresh air. Provide oxygen if breathing is difficult. Get medical attention if irritation persists. **Ingestion:** Do not induce vomiting. Drink 3 to 4 glasses of water. Get immediate medical attention.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

**Respiratory Protection:** None required under typical use. however, if TLV is exceeded, use respirator approved by NIOSH for organic vapor. **Ventilation Requirements:** Provide local exhaust. Adequate ventilation to keep vapor concentration below TLV. **Protective Gloves:** Rubber, if desired. **Eye Protection:** Goggles or safety glasses. **Other Protective Equipment:** Boots and splash apron, eyewash station and safety shower if desired. Hygienic Work Practices: Do not eat, drink, or smoke in work area. Wash hands after handling. Remove contaminated clothing.

## SECTION IX - SPILL OR LEAK PROCEDURES

**Steps to be taken in Case Material is Released or Spilled:** Contain spill & dilute with clear water. Large spills should be absorbed on inert material and disposed of in accordance with regulations.

**Waste Disposal Method:** Dispose of in accordance with all local, state and federal regulations.

## SECTION X - REGULATORY INFORMATION

SARA Title III - Section 311/312 -Hazard Categories:

No - Fire Hazard  
No - Sudden Release of Pressure Hazard  
No - Reactivity Hazard  
Yes - Immediate (acute) Health Hazard  
NE - Delayed (chronic) Health Hazard

DOT Hazard Classification: Corrosive Liquid, N.O.S., 8

To comply with New Jersey DOH Right-To-Know labeling law (N.J.A.C. 8:59 - 5.1 & 5.2)

CAS. No.:	CHEMICAL INGREDIENTS:
7732-18-5	Water
111-76-2	2-Butoxyethanol
141-43-5	Monoethanolamine
1310-58-3	Potassium Hydroxide
68130-47-2	Polyoxyethanediyl alkyl hydroxy phosphate

## HMIS HAZARD RATING

Health 2	Flammability 0	Physical Hazard 0	Personal Protection B
HAZARD INDEX: 0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe			

N/A=Not Applicable