

MATERIAL SAFETY DATA SHEET

RECON™ EXTREME DUTY CLEANER

MSDS DATE: 4/8/09

Per OSHA-recommended ANSI Z400.1-2004 standard format & in accordance with European standard format

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Recon™ Extreme Duty Cleaner
Product Description: Heavy Duty Cleaner Degreaser
Product Code: 3024
Manufacturer: Fiberlock Technologies, Inc.

Address:
Fiberlock Technologies
150 Dascomb Road
Andover MA, 01810

Contact Info:
Tel: (800) 342-3755
Fax: (978) 475-6205

Emergency Phone: 24 Hour Contact: CHEM-TEL: (800) 255-3924
INTERNATIONAL 24 HOUR EMERGENCY Phone: 813-248-0585

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous:

Chemical Name	CAS#	Percent	OSHA PEL	ACGIH TLV
1 - Water	7732-18-5	to 100		
2 - Dipropylene Glycol Methyl Ether	34590-94-8	10-15	600 mg/m3	Not Established
3 - 2-butoxyethanol	111-76-2	5-10	25 ppm	TWA-TLV 20 ppm STEL-TLV 50 ppm
4 - NonIonic Surfactant	9016-45-9	5-10		
5 - Sodium Metasilicate Pentahydrate	6834-92-0	0-5		
6 - Potassium Hydroxide	1310-58-3	0-5	2mg/m3	TWA-TLV 2mg/m3 STEL-TLV 2mg/m3

This product contains 2-butoxyethanol which is 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 3: HAZARDS IDENTIFICATION

DANGER: Corrosive. Severe Eye and Skin Irritant. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Avoid breathing of vapors or mists. Use in well ventilated area. Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only.

Potential Health Hazards:

Skin Contact: Severe skin irritant. May cause moderate reddening with prolonged contact

Eyes Contact: Corrosive. Eye irritant. Liquid and mists may damage eyes, causing corneal damage.

Inhalation: Mists may be irritating to mucous membranes in the nose, throat, and lungs.

Ingestion: Irritating to the mouth and throat. May cause headache, nausea, abdominal pain, and diarrhea. Excessive amounts may cause collapse.

SECTION 4: FIRST AID MEASURES

Eyes: Flush with large quantities of water, holding eyelids open. Seek medical attention.

Skin: Remove contaminated clothing. Flush affected areas with large quantities of water. Seek medical attention if irritation persists.

Ingestion: Do not induce vomiting. Drink large quantities of water. Seek medical attention immediately.

Inhalation: Remove victim to fresh air and monitor. Seek medical attention if symptoms persist.

SECTION 5: FIRE-FIGHTING MEASURES

Product is non-combustible

Flash point:

Autoignition Temperature:

F: Not flammable

F: Not Established

C: Not flammable

C: Not Established

Extinguishing Media:

Use extinguishing media appropriate for surrounding fire

Water Spray	OK
Carbon Dioxide	OK
Foam	OK
Dry Chemical	NO
Halon	NO
Other	N/A

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus and protective clothing should be worn when fighting chemical fires. Use water spray to keep fire-exposed containers cool.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Accidental Release Measures:

Personal Precautions: Do not get in eyes. Do not take internally. Avoid skin contact. Prevent prolonged or repeated breathing of vapor or spray mists. Keep unnecessary people away. Floor may be slippery, use care to avoid falling. Remove all sources if ignition. Ventilate the area. Remove with inert absorbent.

Environmental Precautions: Keep spills and cleaning run-offs out of municipal sewers and open bodies of water. Comply with local, national and state regulations. If discarded, this material and containers should be treated as hazardous waste based on the characteristic of corrosivity as defined under federal RCRA regulations (40 CFR 261).

SECTION 7: HANDLING AND STORAGE

Handling and Storage:

Maximum Storage Temperature: 100°F (38°C), minimum 35°F (2°C).
Keep closure tight and containers upright to prevent leakage.

Precautionary labeling: KEEP FROM FREEZING".

Product is non-combustible.

Keep out of reach of children.

For use by trained personnel only.

Keep container closed during storage.

For institutional and industrial use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Precautions:

Use only with adequate ventilation.

Work Hygienic Practices: Avoid contact with skin. Do not get in eyes. Do not take internally. Avoid breathing vapors or spray mists.

Ventilation: Use in well-ventilated areas. Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.

Respiratory Protection: No special requirements. Avoid breathing mists.

Eye Protection: Chemical goggles recommended when spraying diluted product.

Skin Protection: Wear chemical resistant gloves to prevent skin contact.

Other Protective Equipment: Eyewash station should be provided nearby.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Thin liquid	Solubility in Water:	Total
Odor:	Characteristic odor	Color:	Purple
Boiling Point:	212°F	Viscosity @ 77°F:	N/A
Evaporation Rate: (Butyl Acetate=1)	Slower	Vapor Density (AIR = 1) @ 68°F:	Heavier
Vapor Pressure:	20mm Hg @ 68°F	Specific Gravity (H2O = 1) @ 68°F:	1.074
pH	13.0 - 14.0	Percent Volatile	70 +

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

Incompatibility: (Material to Avoid): Strong acids.

Hazardous Decomposition or By-Products: Alkaline vapors in a fire.

Hazardous Polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological Information:

No Data Available

SECTION 12: ECOLOGICAL INFORMATION

Ecological Information:

No Data Available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution. Do not dump into sewers, any body of water or onto the ground. If discarded, this material and containers should be treated as hazardous waste based on the characteristic of corrosivity as defined under federal RCRA regulations (40 CFR 261).

SECTION 14: TRANSPORT INFORMATION

U.S. Department of Transportation

FOR CONTAINERS > 1 Gallon: Compounds, cleaning liquid, (Potassium Hydroxide), 8, NA-1760, PG III

FOR 1 GALLON CONTAINERS: Compounds, cleaning liquid, (Potassium Hydroxide), 8, NA-1760, PG III (Limited Quantity)

FOR CONTAINERS < 1 GALLON: Compounds, cleaning liquid, (Potassium Hydroxide), 8, NA-1760, PG III (Limited Quantity)

SECTION 15: REGULATORY INFORMATION

U.S. Federal Regulations:

TSCA (TOXIC SUBSTANCE CONTROL ACT): All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

SARA TITLE III (SARA 313): No ingredients in this product are subject to SARA 313 (40 CFR 372.65C) Supplier Notification.

SARA TITLE III (SARA 311/312): 2-butoxyethanol in this product are subject to SARA 311/312 Immediate (acute) Health Hazard Supplier Notification.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): No Components of this product are on the California Proposition 65 lists.

New Jersey Right to Know Hazardous Substance List: This product contains 2-butoxyethanol which is 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 16: OTHER INFORMATION

To comply with New Jersey DOH Right-To-Know labeling law (NJAC 8:59 – 5.1 & 5.2)

CAS. No.:	CHEMICAL INGREDIENTS
7732-18-5	Water
34590-94-8	Dipropylene Glycol Methyl Ether
111-76-2	2-butoxyethanol
9016-45-9	NonIonic Surfactant
6834-92-0	Sodium Metasilicate Pentahydrate
1310-58-3	Potassium Hydroxide
(+) Contents Partially Unknown	

HMIS HAZARD RATING			
Health 3	Flammability 0	Physical Hazard 0	Personal Protection D
HAZARD INDEX: 0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe			
PERSONAL PROTECTION CODE:			

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product.