

# MATERIAL SAFETY DATA SHEET

## RECON™ HEAVY DUTY CLEANER

MSDS DATE: 03/14/12

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

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Recon™ Heavy Duty Cleaner  
Product Description: Heavy Duty Cleaner Degreaser  
Product Code: 3027  
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 (Contract Number: MIS0001450)  
INTERNATIONAL 24 HOUR EMERGENCY Phone: 813-248-0585

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous:

Chemical Name	CAS#	Percent	OSHA PEL	ACGIH TLV
Sodium Metasilicate	6834-92-0			

This product does not contain any toxic chemical(s) 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

#### Potential Health Hazards:

**Skin Contact:** Irritating.

**Eyes Contact:** Eye irritant. May cause redness or swelling.

**Inhalation:** May cause irritation to mucous membranes.

**Ingestion:** May cause diarrhea and nausea

**Chronic Effects:** Prolonged exposure to diluted mists may cause skin and/or eye irritation or dermatitis.

### SECTION 4: FIRST AID MEASURES

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

**Skin:** Wash with soap and water. Seek medical attention if irritation persists.

**Ingestion:** Do not induce vomiting. Drink 3 to 4 glasses of water. Call physician 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	OK
Halon	NO
Other	N/A

### 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 of 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.

### 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.

### 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:** Normal ventilation is adequate.

**Respiratory Protection:** No special requirements. Avoid breathing mists.

**Eye Protection:** Safety glasses or Chemical goggles recommended.

**Skin Protection:** Wear neoprene, rubber, vinyl, or nitrile gloves to prevent skin contact if prolonged skin contact is likely. Wash hands before eating, smoking or using the wash room.

**Other Protective Equipment:** Eyewash station should be provided nearby.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Thin liquid	<b>Solubility in Water:</b>	Total
<b>Odor:</b>	Sweetly bland odor	<b>Color:</b>	Green
<b>Boiling Point:</b>	212°F	<b>Viscosity @ 77°F:</b>	N/A
<b>Evaporation Rate: (Butyl Acetate=1)</b>	Slower	<b>Vapor Density (AIR = 1) @ 68°F:</b>	N/A
<b>Vapor Pressure:</b>	N/A	<b>Specific Gravity (H2O = 1) @ 68°F:</b>	1.040
<b>pH</b>	12.0-13.0	<b>Percent Volatile</b>	90+

**SECTION 10: STABILITY AND REACTIVITY**

**Stability:** Stable

**Incompatibility:** (Material to Avoid): Avoid contact with strong oxidizing agents (e.g. nitric acid, permanganates), etc.

**Hazardous Decomposition or By-Products:** Some carbon monoxide

**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.

**SECTION 14: TRANSPORT INFORMATION**

**U.S. Department of Transportation**  
Proper Shipping Name: "Non Regulated"  
Hazard Class: "Non Regulated"  
Shipping Class: Cleaning Compound

**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):** Ingredients 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 Sodium Metasilicate 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
6834-92-0	Sodium Metasilicate
64-02-8	Ethylenediamine Tetraacetic Acid NA Salt
9016-45-9	Nonylphenol Polyethoxyethylene Ethanol
(+ ) Contents Partially Unknown	

HMIS HAZARD RATING			
Health 1	Flammability 0	Physical Hazard 0	Personal Protection B
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.