



Material Safety Data Sheet

SECTION 1: PRODUCT NAME AND COMPANY INFORMATION

Product Name: LC CLEANER PLUS (BIODEGRADABLE)
Product Number: 8342670
Issue Date: May 25, 2011
Supersedes Date: February 9, 2009
Manufactured By: Coburn Technologies
 55 Gerber Road
 South Windsor, CT 06074
Distributed By: Coburn Technologies
 55 Gerber Road
 South Windsor, CT 06074

Telephone: (860) 871-8082

24-Hour Emergency Contact Number (North America): 800-255-3924
24-Hour Emergency Contact Number (International): 813-248-0585

SECTION 2: COMPOSITION

Ingredient Name	CAS Number	% vol
D limonene	5989-27-5	3-4
Dipropylene Glycol Monomethyl Ether	34590-94-8	<5.0
Potassium Hydroxide	1310-58-3	<5.0
Water	7732-18-5	>85.0
Proprietary surfactants and chelators		remain

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
D-limonene	N/E	N/E	N/E	N/E	N/E	N/E	N/E
Dipropylene Glycol Monoethyl Ether	N/E	N/E	N/E	N/E	N/E	N/E	N/E
Potassium Hydroxide	N/E	N/E	N/E	N/E	N/E	N/E	N/E
Water	N/E	N/E	N/E	N/E	N/E	N/E	N/E

SECTION 3: Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Potential Health Effects

Primary Entry Routes: Eyes, Skin, Inhalation, and Ingestion

Acute Effects

Inhalation: May cause nausea, headache, and irritated nasal passages.

Eye: May cause redness, tearing, and burning.

HMIS
H 1
F 1
R 0
PPET†
†Sec. 8

LC CLEANER PLUS

Skin: May cause redness, dryness, and irritation.

Ingestion: May cause gastro intestinal disturbances.

Carcinogenicity: IARC, NTP, and OSHA do not list LC Cleaner Plus as a carcinogen.

Medical Conditions Aggravated by Long-Term Exposure: Repeated skin contact may aggravate an existing dermatitis

Chronic Effects: Repeated skin contact may aggravate any existing dermatitis.

SECTION 4: First Aid

Inhalation: Remove to fresh air. If not breathing, give artificial respiration.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes.

Skin Contact: Wash skin with plenty of soap and water for several minutes.

Ingestion: If swallowed, get immediate medical attention. ONLY induce vomiting as directed by a doctor.

After first aid, get appropriate in-plant, paramedic, or community medical support.

Note to Physicians: Aspiration of this product during induced emesis can result in lung injury. If evacuation of stomach contents is considered necessary, use method least likely to cause aspiration, such as gastric lavage after endotracheal

SECTION 5: Fire Fighting Measures:

Flash Point: N/A

Flash Point Method: N/A

Burning Rate: N/A

Autoignition Temperature: N/A

LEL: N/A

UEL: N/A

Flammability Classification: N/A

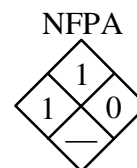
Extinguishing Media: Dry chemical, foam, or CO2

Unusual Fire or Explosion Hazards: N/A

Hazardous Combustion Products: N/A

Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: As necessary for surrounding fire.



SECTION 6: Accidental Release Measures

Spill /Leak Procedures: Mop up material with absorbent material. Rinse with water

Containment: For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

Cleanup: Follow normal hygiene practices.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

SECTION 7: Handling and Storage

Handling and Storage Precautions: Store at room temperature. Keep lids on containers closed when not in use.

Regulatory Requirements: N/A

SECTION 8: Exposure Controls/Personal Protection

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

LC CLEANER PLUS

Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or nonroutine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. *Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.* If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

Protective Clothing/Equipment: Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes laundry before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

SECTION 9: Physical and Chemical Properties

Physical State: Liquid

Appearance and Odor: Clear, orange liquid, citrus odor

Odor Threshold: NA

Vapor Pressure: N/A

Vapor Density (Air=1): N/A

Formula Weight: N/A

Specific Gravity (H₂O=1, at 4 °C): 1.005-1.02

pH: 6.5-7.0

Water Solubility: Complete

Other Solubilities: NA

Boiling Point: >212 F

Freezing/Melting Point: N/A

Viscosity: N/A

Refractive Index: NE

Surface Tension: NE

% Volatile: N/A

Evaporation Rate: N/A

SECTION 10: Stability and Reactivity

Stability: LC Cleaner Plus is stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization cannot occur.

Chemical Incompatibilities: N/A

Conditions to Avoid: N/A

SECTION 11: Toxicological Information

Eye Effects: Moderately irritating

Skin Effects: Slightly irritating

Toxicity Data:*

Acute Inhalation Effects:

Human, inhalation: ND

Acute Oral Effects:

Rat, oral, LD₅₀: N/A

Carcinogenicity: not listed

Mutagenicity: NA

Teratogenicity: NA

* See NIOSH, RTECS (AL3150000), for additional toxicity data.

SECTION 12: Ecological Information:

Do not release product into soil or atmosphere, without first consulting the state, federal and local laws regarding this chemical and its by products.

SECTION 13: Disposal Considerations:

Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations

Container Cleaning and Disposal: If hazardous: Adjust pH and total solids to EPA standards and dispose of according to law.

SECTION 14: Transport Information:

DOT Transportation Data (49 CFR 172.101):

**Not regulated in accordance
with DOT.**

SECTION 15: Regulatory Information:

EPA Regulations:

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)

RCRA Hazardous Waste Classification: Not classified

CERCLA Hazardous Substance (40 CFR 302.4) not listed specific per RCRA, Sec. 3001; CWA, Sec. 311 (b) (4); CWA, Sec. 307(a), CAA, Sec. 112

CERCLA Reportable Quantity (RQ), N/A

SARA 311/312 Codes: N/A

SARA Toxic Chemical (40 CFR 372.65): Not listed

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed, Threshold Planning Quantity (TPQ)

OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed

OSHA Specifically Regulated Substance (29CFR 1910.1200) Not listed

State Regulations: N/A

SECTION 16: Other Information:

Prepared By: TurnKey

Revision Notes: 5/25/11 New product formulation.

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