

MATERIAL SAFETY DATA SHEET

N/A= Not Applicable

Prepared by: Regulatory Affairs Dept.

(Prepared According to 29 CFR 1910.1200)

Effective Date: 5/01 Revision: n/a

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Supplier's Name: Leading Edge Systems	Product Name: LES #3 Super Pro Generic Name: Heavy Duty Cleaner Degreaser Chemical Family: Detergent Blend Formula: Proprietary	HMS Hazardous Materials Identification System (Ready-to-Use product ONLY) Health - 1 Flammability - 0 Reactivity - 0 Protection - B
Supplier's Phone #: (800) 537-5735		

SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Dipropylene Glycol Methyl Ether	34590-94-8	10 to 15	N/A	N/A	N/A
2-butoxyethanol	111-76-2	5 to 10	25ppm	25ppm	50ppm
NonIonic Surfactant	9016-45-9	5 to 10	N/A		
Sodium Metasilicate Pentahydrate	6834-92-0	0 to 5	N/A		
Sodium Xylene Sulfonate	1300-72-7	0 to 5	N/A		
Tetrasodium EDTA	64-02-8	0 to 5	N/A		
Potassium Hydroxide	1310-58-3	0 to 5	2mg/m ³	2mg/m ³	2mg/m ³
Dye	N/A	0 to 5	N/A		

SECTION 3-PHYSICAL DATA

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Boiling Point (°F): 212 F. Vapor Pressure: 20mm Hg @ 68 F. % Volatile: 70+ Solubility in Water: Complete Physical Description: Thin purple liquid with characteristic odor.	Specific Gravity: 1.074 Vapor Density (Air=1): >1 pH: 13.0 – 14.0 Evaporation Rate (Water=1): <1	Flash Point (Method Used): None (TCC) Upper Explosion Limit: N/A Lower Explosion Limit: N/A Extinguishing Media: CO ₂ , Dry Foam, Water Mist Special Firefighting Procedures: Use self-contained breathing apparatus in confined areas. Unusual Fire and Explosion Hazards: Keep fire exposed containers cool with water to prevent bursting.
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SECTION 5-REACTIVITY DATA

Stability: Stable Hazards Decomposition Products: Alkaline vapors in a fire.	Hazardous Polymerization: None Incompatibility (Materials to Avoid): Strong acids.
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SECTION 6-STORAGE AND HANDLING INFORMATION

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.

SECTION 7-HEALTH HAZARDS AND FIRST AID

SECTION 8-SPECIAL PROTECTION INFORMATION

Effects of Overexposure: Skin: Severe skin irritant. May cause moderate reddening with prolonged contact Eyes: 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. First Aid Procedures: Skin: Flush with water. Seek medical attention if irritation persists. Eyes: Flush with large quantities of water, holding eyelids open. Seek medical attention if irritation persists. Inhalation: Get to fresh air. Seek medical attention if irritation persists. Ingestion: Do not induce vomiting. Drink large quantities of water. Seek medical attention immediately.	Respiratory Protection: Use in well ventilated area. Ventilation Requirements: Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit. Protective Gloves: Chemical resistant rubber or neoprene. Eye Protection: Safety glasses or chemical splash goggles. Other Protective Equipment: Eyewash station provided nearby.
	SECTION 9-SPILL OR LEAK PROCEDURES
	Steps to be taken in Case Material is Released or Spilled: Floors will become slippery. Avoid walking in product. Ventilate area well. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways. Waste Disposal Method: Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. 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). Consult local authorities for disposal in public sewer. Do not dispose of into storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash.

SECTION 10-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 No - Delayed (chronic) Health Hazard	Shipping Information: 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)	HMS Hazardous Materials Identification System								
		<table border="1"> <tr> <td>Health</td> <td align="center">3</td> </tr> <tr> <td>Flammability</td> <td align="center">0</td> </tr> <tr> <td>Reactivity</td> <td align="center">0</td> </tr> <tr> <td>Personal Protection</td> <td align="center">D</td> </tr> </table>	Health	3	Flammability	0	Reactivity	0	Personal Protection	D
Health	3									
Flammability	0									
Reactivity	0									
Personal Protection	D									

FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION: CHEM-TEL, Inc. @ 800-255-3924 (24 hours, 7 days per week)

This product contains the following 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.

CAS#	Chemical Name	Percent by Weight
111-76-2	2-butoxyethanol (glycol ether)	7% max.

This product contains the following chemical(s) which have been established to be either a carcinogen or suspected carcinogen.

CAS#	Chemical Name	Percent by Weight
	None	

SECTION 11-OTHER INFORMATION

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