

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 #5 Gen Affect Generic Name: Neutral Disinfectant & Detergent Chemical Family: Quaternary Detergent Blend Formula: Proprietary	HMS Hazardous Materials Identification System (Ready-to-Use product ONLY) Health - 1 Flammability - 0 Reactivity - 0 Protection - A
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			
Dimethyl Benzyl Ammonium Chloride	68424-85-1	6.14			
Didecyl Dimethyl Ammonium Chloride	7173-51-5	9.22			
Octyl Dimethyl Amine Oxide	2605-78-9	5 to 10			
Tetrasodium EDTA	64-02-8	0 to 5			
Perfume Oil	N/A	0 to 5			
Dye	N/A	0 to 5			

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 210 F.	Specific Gravity: 1.007
Vapor Pressure: 20mm Hg @ 68 F.	Vapor Density (Air=1): >1
% Volatile: 80+	pH: 7.5-8.0
Solubility in Water: Complete	Evaporation Rate (Water=1): <1
Physical Description: Slightly viscous yellow liquid with pleasant odor.	

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A	Lower Explosion Limit: N/A
Upper Explosion Limit: N/A	Extinguishing Media: N/A
Special Firefighting Procedures: Non Flammable	Unusual Fire and Explosion Hazards: N/A

SECTION 5-REACTIVITY DATA

Stability: Stable	Hazardous Polymerization: None
Hazards Decomposition Products: Will not occur.	Incompatibility (Materials to Avoid): None

SECTION 6-STORAGE AND HANDLING INFORMATION

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

SECTION 7-HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:
Skin: Corrosive. Severe skin irritant. May cause burns or permanent damage.
Eyes: Corrosive. Severe eye irritant. Liquid and mists may injure the eyes, causing corneal damage.
Inhalation: May cause irritation and corrosive effect to nose, throat, and respiratory tract.
Ingestion: May be irritating to the mouth, throat, and gastrointestinal system. Burning, pain, and diarrhea expected with large doses.
First Aid Procedures:
Skin: Remove contaminated clothing. Flush affected areas with large quantities of water. Seek medical attention if irritation persists.
Eyes: Flush with large quantities of water, holding eyelids open. Seek medical attention.
Inhalation: Remove victim to fresh air. Seek medical help.
Ingestion: Do not induce vomiting. Give large quantities of milk and water. Seek medical attention immediately. Probable mucosal damage may contraindicate the use of gastric lavage

SECTION 8-SPECIAL PROTECTION INFORMATION

Respiratory Protection: No special requirements.
Ventilation Requirements: Good general ventilation should be sufficient to control airborne levels. Provide mechanical exhaust in areas of poor ventilation, where mist generation may occur.
Protective Gloves: Chemical resistant rubber or neoprene.
Eye Protection: Safety glasses or chemical splash goggles.
Other Protective Equipment: Face shield recommended when handling concentrate. Protective footwear (rubber boots) should be worn when mopping floors.

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. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways.
Waste Disposal Method: EPA registered pesticide. Dispose of in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Consult local authorities for disposal in public sewer. Do not disposal 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 : Corrosive liquid, Basic, Organic, n.o.s. (Quaternary Ammonium Compound), 8, UN3267, PG III FOR 1-GALLON CONTAINERS: Corrosive liquid, Basic, Organic, n.o.s. (Quaternary Ammonium Compound), 8, UN3267, PG III, (limited Quantity) FOR CONTAINERS < 1 GALLON: Corrosive liquid, Basic, Organic, n.o.s. (Quaternary Ammonium Compound), 8, UN3267, 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
	None	

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