

MATERIAL SAFETY DATA SHEET

DATE OF PREPARATION: 12-05-07

I. General Information

CHEMICAL NAME & SYNONYM:		TRADENAME:	L-251 E-LIME-INATE
CHEMICAL FAMILY:	Synthetic Detergent	FORMULA:	Proprietary
PROPER DOT SHIPPING NAME:	Cleaning Compound, Liquid	DOTHAZARDCLASSIFICATION:	CONSUMER COMMODITY ORM-D
SUPPLIER:	LICO, INC. 929 FIFTH AVENUE MCKEESPORT, PA 15132, USA	SUPPLIER'S PHONE NUMBER:	(412) 422-7786
		24-HOUR EMERGENCY PHONE NUMBER:	1-800-535-5053

II. Ingredients

PRINCIPAL COMPONENTS	CAS #	THRESHOLD LIMIT VALUE (UNITS)
PHOSPHORIC ACID	7664-38-2	1MG/M3
GLYCOLIC ACID	79-14-1	10MG/M3 TWA8
WATER	7732-18-5	NONE
PHOSPHATE ESTER	N/A	1MG/M3

III. Physical Data

BOILING POINT (°F):	212 ⁰ F	SPECIFIC GRAVITY (H₂O=1):	1.207
VAPOR PRESSURE (MM HG):	N/A	PERCENT VOLATILE (%):	100.00
VAPOR DENSITY (AIR=1):	N/A	EVAPORATION RATE (WATER = 1):	<1
SOLUBILITY IN WATER:	Complete	pH:	1
APPEARANCE AND ODOR:	Clear liquid with characteristic odor.		

IV. Fire & Explosion Hazard Data

FLASH POINT (TEST METHOD):	NONE (TCC)	LOWER EXPLOSIVE LIMIT (LEL):	N/A
AUTO IGNITION TEMPERATURE:	NONE	UPPER EXPLOSIVE LIMIT (UEL):	N/A
EXTINGUISHING MEDIA:	Water, Dry Chemical, CO ₂	UNUSUAL FIRE & EXPLOSION HAZARDS:	NONE
SPECIAL FIRE FIGHTING PROCEDURES:	Use NIOSH/MSHA self contained breathing apparatus.		

V. Health Hazard Data

OSHA-ACGIH THRESHOLD LIMIT VALUE:	1MG/M3	Medical Conditions Aggravated by Exposure:	Chronic respiratory problems
CARCINOGEN -NTP PROGRAM:	None	NOTE: CORROSIVE:	Avoid contact with skin or eyes. Can cause irritation, burns or possible permanent eye damage.
SYMPTOMS OF EXPOSURE:	Skin & Eye Irritation		
PRIMARY ROUTES OF ENTRY:	Skin, Eyes, Nose, Mouth		
CARCINOGEN - IARC PROGRAM:	None		
EMERGENCY FIRST AID:			
Skin:	Wash thoroughly with soap and water. See a physician.		
Eyes:	Flush with water for 15 minutes. See a physician.		
Ingestion:	Give large amounts of water. Do not induce vomiting. See a physician.		
Inhalation:	Remove to fresh air.		

VI. Reactivity Data

STABILITY:	<input type="checkbox"/> UNSTABLE	<input checked="" type="checkbox"/> STABLE	
INCOMPATIBILITY-Material to Avoid:	Reacts strongly with basic/caustic materials.		
HAZARDOUS POLYMERIZATION:	<input type="checkbox"/> MAY OCCUR	<input checked="" type="checkbox"/> WILL NOT OCCUR	CONDITIONS TO AVOID: None
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of Phosphorus		

VII. Environmental Protection Procedures

SPILL RESPONSE:	Contain Spill. Soak up in an absorbant material. Flush area with water.
WASTE DISPOSAL METHOD:	In accordance with Federal, State and Local regulations.

VIII. Special Protection Information

EYE PROTECTION:	Splash Goggles or Mask	SKIN PROTECTION:	Rubber Gloves, Apron
RESPIRATORY PROTECTION:	None Required	VENTILATION RECOMMENDED:	Local Exhaust
OTHER PRECAUTIONS:	None		

IX. Special Precautions

HYGIENIC PRACTICES IN HANDLING & STORAGE:	Avoid Skin or Eye contact.
PRECAUTIONS FOR REPAIR & MAINTENANCE OF CONTAMINATED EQUIPMENT:	Flush with water and allow to air dry.
OTHER PRECAUTIONS:	None