

# MATERIAL SAFETY DATA SHEET

DATE OF PREPARATION: 10/02/07

## I. General Information

<b>CHEMICAL NAME &amp; SYNONYM:</b>		<b>TRADE NAME:</b>	L-114 CHLOR CLEAN
<b>CHEMICAL FAMILY:</b>	Synthetic Detergent	<b>FORMULA:</b>	Proprietary
<b>PROPER DOT SHIPPING NAME:</b>	Consumer Commodity, ORM-D	<b>DOT HAZARD CLASSIFICATION:</b>	None
<b>SUPPLIER:</b>	<b>LICO, INC.</b> 929 FIFTH AVENUE MCKEESPORT, PA 15132, USA	<b>SUPPLIER'S PHONE NUMBER:</b>	(412) 422-7786
		<b>24-HOUR EMERGENCY PHONE NUMBER:</b>	1-800-535-5053

## II. Ingredients

PRINCIPAL COMPONENTS	CAS #	THRESHOLD LIMIT VALUE (UNITS)
WATER	7732-18-5	N/A
LAURYL DIMETHYLAMINE OXIDE	1643-20-5	N/E
POTASSIUM HYDROXIDE	1310-58-3	2MG/M3
SODIUM HYPOCHLORITE	84-74-2	5MG/M3 TWA8

## III. Physical Data

<b>BOILING POINT (°F):</b>	N/D	<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1):</b>	1.084
<b>VAPOR PRESSURE (MM HG):</b>	N/D	<b>PERCENT VOLATILE (%):</b>	88
<b>VAPOR DENSITY (AIR=1):</b>	>1	<b>EVAPORATION RATE (WATER = 1):</b>	<1
<b>SOLUBILITY IN WATER:</b>	Complete	<b>pH:</b>	13.0-13.5
<b>Appearance &amp; Odor:</b>	Clear, pale yellow liquid-mild, clean odor.		

## IV. Fire & Explosion Hazard Data

<b>FLASH POINT (TEST METHOD):</b>	None TCC	<b>LOWER EXPLOSIVE LIMIT:</b>	N/A
<b>AUTO IGNITION TEMPERATURE:</b>	None	<b>UPPER EXPLOSIVE LIMIT:</b>	N/A
<b>EXTINGUISHING MEDIA:</b>	Water, Dry Chemical, CO <sub>2</sub>		
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	Wear self-contained breathing apparatus and full protective clothing.		
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b>	None		

## V. Health Hazard Data

<b>OSHA-ACGIH THRESHOLD LIMIT VALUE:</b>	2MG/M3	<b>CARCINOGEN - IARC PROGRAM:</b>	None
<b>CARCINOGEN -NTP PROGRAM:</b>	None	<b>Medical Conditions Aggravated by Exposure:</b>	None
<b>SYMPTOMS OF EXPOSURE:</b>	CORROSIVE TO EYES, SKIN RESPIRATORY AND GASTROINTESTINAL TRACT.		
<b>PRIMARY ROUTES OF ENTRY:</b>	Skin, Eyes, Nose, Mouth		
<b>EMERGENCY FIRST AID:</b>			
<b>Skin:</b>	Flush with water. See a physician.		
<b>Eyes:</b>	Flush with water for 15 minutes. See a physician.		
<b>Ingestion:</b>	Give large amounts of water. See a physician.		
<b>Inhalation:</b>	Remove to fresh air.		
<b>NOTE: CORROSIVE:</b>	Avoid contact with skin or eyes. Can cause irritation, burns, or possible permanent eye damage.		

## VI. Reactivity Data

<b>STABILITY:</b>	UNSTABLE	<input checked="" type="checkbox"/>	STABLE
<b>INCOMPATIBILITY-Material to Avoid:</b>	Avoid contact with acids		
<b>HAZARDOUS POLYMERIZATION:</b>	MAY OCCUR	<input checked="" type="checkbox"/>	WILL NOT OCCUR
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	None	<b>CONDITIONS TO AVOID:</b> None	

## VII. Environmental Protection Procedures

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

## VIII. Special Protection Information

<b>EYE PROTECTION:</b>	Splash Goggles	<b>SKIN PROTECTION:</b>	Rubber Gloves, Apron
<b>RESPIRATORY PROTECTION:</b>	None Required	<b>VENTILATION RECOMMENDED:</b>	Local Exhaust
<b>OTHER PRECAUTIONS:</b>	None		

## IX. Special Precautions

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