

# MATERIAL SAFETY DATA SHEET

DATE OF PREPARATION: 10/02/07

## I. General Information

<b>CHEMICAL NAME &amp; SYNONYM:</b>		<b>TRADE NAME:</b>	L-147 D-ODE
<b>CHEMICAL FAMILY:</b>	Synthetic Detergent	<b>FORMULA:</b>	Proprietary
<b>PROPER DOT SHIPPING NAME:</b>	Cleaning Compound, Liquid	<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
DIMETHYL CARBINOL	67-63-0	400PPM TWA8
ISOBUTYL ACETATE	110-19-0	150PPM TWA8
ETHOXYLATED NONYLPHENOL	68412-54-4	N/D
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	68391-01-5	N/A

## III. Physical Data

<b>BOILING POINT (°F):</b>	190 <sup>0</sup> F	<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1):</b>	0.983
<b>VAPOR PRESSURE (MM HG):</b>	N/D	<b>PERCENT VOLATILE (%):</b>	95.1
<b>VAPOR DENSITY (AIR=1):</b>	>1	<b>EVAPORATION RATE (WATER = 1):</b>	>1
<b>SOLUBILITY IN WATER:</b>	Complete	<b>pH:</b>	3-4
<b>APPEARANCE AND ODOR:</b>	Clear liquid with characteristic odor.		

## IV. Fire & Explosion Hazard Data

<b>FLASH POINT (TEST METHOD):</b>	190 <sup>0</sup> F	<b>LOWER EXPLOSIVE LIMIT (LEL):</b>	N/D
<b>AUTO IGNITION TEMPERATURE:</b>	NONE	<b>UPPER EXPLOSIVE LIMIT (UEL):</b>	N/D
<b>EXTINGUISHING MEDIA:</b>	Water, Dry Chemical, CO <sub>2</sub>		
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	NONE		
<b>UNUSUAL FIRE &amp; EXPLOSION HAZARDS:</b>	NONE		

## V. Health Hazard Data

<b>OSHA-ACGIH THRESHOLD LIMIT VALUE:</b>	150PPM TWA8	<b>CARCINOGEN - IARC PROGRAM:</b>	None
<b>CARCINOGEN -NTP PROGRAM:</b>	None		
<b>SYMPTOMS OF EXPOSURE:</b>	Skin & Eye Irritation		
<b>Medical Conditions Aggravated by Exposure:</b>	None		
<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 immediately.		
<b>Ingestion:</b>	Give large amounts of water. See a physician immediately.		
<b>Inhalation:</b>	Remove to fresh air.		

## VI. Reactivity Data

<b>STABILITY:</b>	<input type="checkbox"/> UNSTABLE	<input checked="" type="checkbox"/> STABLE
<b>INCOMPATIBILITY-Material to Avoid:</b>	NONE	
<b>HAZARDOUS POLYMERIZATION:</b>	<input type="checkbox"/> 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 absorbant 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
<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