

MATERIAL SAFETY DATA SHEET

DATE OF PREPARATION: 10/02/07

I. General Information

CHEMICAL NAME & SYNONYM:		TRADE NAME:	L-047 ENDURANCE DISINFECTANT
CHEMICAL FAMILY:	Synthetic Detergent	FORMULA:	Proprietary
PROPER DOT SHIPPING NAME:	Cleaning Compound, Liquid	DOT HAZARD CLASSIFICATION:	None
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)
WATER	7732-18-5	N/A
ALKYL DIMETHYL AMMONIUM CHLORIDE	7173-51-5	1000PPM
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	8001-54-5	N/D
DIMETHYL OCTYL AMINE OXIDE	2605-78-9	N/D
ETHYLENE DIAMINE TETRAACETIC ACID	64-02-8	N/D

III. Physical Data

BOILING POINT (°F):	N/E	SPECIFIC GRAVITY (H₂O=1):	1.0
VAPOR PRESSURE (MM HG):	N/E	PERCENT VOLATILE (%):	78
VAPOR DENSITY (AIR=1):	N/E	EVAPORATION RATE (WATER = 1):	N/E
SOLUBILITY IN WATER:	Complete	pH:	7.2-8.2
Appearance & Odor:	Clear liquid with characteristic odor.		

IV. Fire & Explosion Hazard Data

FLASH POINT (TEST METHOD):	200°F	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:	Combustion products are toxic.
SPECIAL FIRE FIGHTING PROCEDURES:	Wear NIOSH approved self contained breathing apparatus.		

V. Health Hazard Data

OSHA-ACGIH THRESHOLD LIMIT VALUE:	N/A	CARCINOGEN - IARC PROGRAM:	None
CARCINOGEN -NTP PROGRAM:	None		
SYMPTOMS OF EXPOSURE:	Irritation, Chemical burns		
Medical Conditions Aggravated by Exposure:	None		
PRIMARY ROUTES OF ENTRY:	Skin, Eyes, Nose, Mouth		
EMERGENCY FIRST AID:			
Skin:	Flush with water. See a physician.		
Eyes:	Flush with water for 15 minutes. See a physician immediately.		
Ingestion:	Give large amounts of water. See a physician immediately.		
Inhalation:	Remove to fresh air.		

VI. Reactivity Data

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

VII. Environmental Protection Procedures

SPILL RESPONSE: DANGER:	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	SKIN PROTECTION:	Rubber Gloves
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