

MATERIAL SAFETY DATA SHEET

DATE OF PREPARATION: 10/02/07

I. General Information

CHEMICAL NAME & SYNONYM:		TRADE NAME:	L-048 TERMINATOR HBV
CHEMICAL FAMILY:		FORMULA:	Proprietary
PROPER DOT SHIPPING NAME:	Cleaning Compound	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)
DIMETHYL BENZYL AMMONIUM CHLORIDE	68391-01-5	N/A
DIMETHYL ETHYL BENZYL AMMONIUM CHLORIDE	27479-28-3	N/A
WATER	7732-18-5	N/A

III. Physical Data

BOILING POINT (°F):	212 ⁰ F	SPECIFIC GRAVITY (H₂O=1):	1.036
VAPOR PRESSURE (MM HG):	N/A	PERCENT VOLATILE (%):	>90.0
VAPOR DENSITY (AIR=1):	>1.0	EVAPORATION RATE (WATER = 1):	<1.0
SOLUBILITY IN WATER:	Soluble	pH:	7
APPEARANCE AND ODOR:	Clear colorless liquid with mild odor.		

IV. Fire & Explosion Hazard Data

FLASH POINT (TEST METHOD):	N/A	LOWER EXPLOSIVE LIMIT (LEL):	N/A
AUTO IGNITION TEMPERATURE:	NONE	UPPER EXPLOSIVE LIMIT (UEL):	N/A
EXTINGUISHING MEDIA:	Water, Foam, Dry Chemical, CO ₂		
SPECIAL FIRE FIGHTING PROCEDURES:	NONE		
UNUSUAL FIRE & EXPLOSION HAZARDS:	NONE		

V. Health Hazard Data

OSHA-ACGIH THRESHOLD LIMIT VALUE:	N/A	CARCINOGEN - IARC PROGRAM:	None
CARCINOGEN -NTP PROGRAM:	None	PRIMARY ROUTES OF ENTRY:	Eyes, Ingestion, Skin
SYMPTOMS OF EXPOSURE:	Skin & Eye Irritation. Ingestion can cause severe physical reaction or death.		
EMERGENCY FIRST AID:			
Skin:	Remove contaminated clothing & launder before re-use. Wash with soap & water.		
Eyes:	Flush eyes & eyelids with cool water for 15 minutes. Obtain medical attention.		
Ingestion:	Call physician or poison control center immediately. Don't induce vomiting. Never give anything by mouth to an unconscious person.		
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
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition may yield oxides of carbon and nitrogen.	
CONDITIONS TO AVOID:	None	

VII. Environmental Protection Procedures

SPILL RESPONSE:	Contain Spill. Soak up on inert absorbant material & place in closed container for disposal. 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:	None Required,
OTHER PRECAUTIONS:	None		May Use Local Exhaust

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:	Store in a dry, cool place. Keep from freezing. Keep container tightly closed.