

MATERIAL SAFETY DATA SHEET

DATE OF PREPARATION: 10/02/07

I. General Information

CHEMICAL NAME & SYNONYM:	Dilute Oxalic Acid	TRADE NAME:	L-214 LIQUID RUST REMOVING SOUR
CHEMICAL FAMILY:	Organic Acid	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)
OXALIC ACID	144-62-7	1MG/M3
WATER	7732-18-5	N/A

III. Physical Data

BOILING POINT (°F):	>200 ⁰ F	SPECIFIC GRAVITY (H₂O=1):	1.04
VAPOR PRESSURE (MM HG):	N/A	PERCENT VOLATILE (%):	>90
VAPOR DENSITY (AIR=1):	>1	EVAPORATION RATE (WATER = 1):	<1
SOLUBILITY IN WATER:	Complete	pH:	3
APPEARANCE AND ODOR:	Clear thin liquid.		

IV. Fire & Explosion Hazard Data

FLASH POINT (TEST METHOD):	N/A	LOWER EXPLOSIVE LIMIT (LEL):	N/A
AUTO IGNITION TEMPERATURE:	N/A	UPPER EXPLOSIVE LIMIT (UEL):	N/A
EXTINGUISHING MEDIA:	Appropriate to surrounding material.		
SPECIAL FIRE FIGHTING PROCEDURES:	NONE		
UNUSUAL FIRE & EXPLOSION HAZARDS:	NONE		

V. Health Hazard Data

OSHA-ACGIH THRESHOLD LIMIT VALUE:	1MG/M3	CARCINOGEN - IARC PROGRAM:	None
CARCINOGEN -NTP PROGRAM:	None		
SYMPTOMS OF EXPOSURE:	If inhaled may cause difficulty breathing.		
Medical Conditions Aggravated by Exposure:	Dermatitis		
PRIMARY ROUTES OF ENTRY:	Dermal		
EMERGENCY FIRST AID:			
Skin:	Flush with water. See a physician.		
Eyes:	Flush with water for 15 minutes. See a physician.		
Ingestion:	Give large amounts of water. 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:	Strong Alkalis		
HAZARDOUS POLYMERIZATION:	<input type="checkbox"/> MAY OCCUR	<input checked="" type="checkbox"/> WILL NOT OCCUR	CONDITIONS TO AVOID: Extreme Heat
HAZARDOUS DECOMPOSITION PRODUCTS:	NONE		

VII. Environmental Protection Procedures

SPILL RESPONSE:	Neutralize with soda ash, flush to sanitary sewer.
WASTE DISPOSAL METHOD:	Consult Federal, State and Local regulations.

VIII. Special Protection Information

EYE PROTECTION:	Splash Goggles	SKIN PROTECTION:	Rubber Gloves
RESPIRATORY PROTECTION:	Not under normal conditions	VENTILATION RECOMMENDED:	General
OTHER PRECAUTIONS:	N/A		

IX. Special Precautions

HYGIENIC PRACTICES IN HANDLING & STORAGE:	Store in cool, dry place away from Alkalis foodstuffs.
PRECAUTIONS FOR REPAIR & MAINTENANCE OF CONTAMINATED EQUIPMENT:	Wipe clean and allow to dry.
OTHER PRECAUTIONS:	N/A