

# MATERIAL SAFETY DATA SHEET

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>PRODUCT NAME</b>	<b>MYERS LI-5</b>		
<b>PRODUCT CODE</b>	LI-5	<b>DISTRIBUTOR</b>	Myers Supply, Inc.
<b>ISSUE DATE</b>	01/21/02	<b>STREET ADDRESS</b>	831 Third St.
<b>SUPERCEDES</b>	<b>01/21/02</b>	<b>CITY, STATE ZIP</b>	Hot Springs, AR 71913
		<b>PHONE</b>	(501) 623-7742

### EMERGENCY TELEPHONE NUMBER

1-888-627-8740

## SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

### EXPOSURE LIMITS

HAZARDOUS INGREDIENTS	CAS No.	OSHA PEL/TLV	ACGIH TLV	STEL	OTHER LIMITS
Phosphoric Acid	7664-27-7	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>	None
Oxalic Acid	144-62-7	1mg/m <sup>3</sup>	1mg/m <sup>3</sup>	2mg/m <sup>3</sup>	N/A

## SECTION 3 – HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW** May cause severe burns or severe irritation to eyes and skin. Harmful if swallowed

### POTENTIAL HEALTH EFFECTS

**INGESTION** ..... Irritation to gastrointestinal tract mucosa.

**INHALATION** ..... Irritation to respiratory tract mucosa.

**EYE CONTACT** ..... Burns or severe irritation

**SKIN CONTACT** ..... Burns or severe irritation on prolonged exposure.

## SECTION 4 – FIRST AID MEASURES

**INGESTION** Drink large quantities of water or milk. DO NOT INDUCE VOMITING. See a physician immediately.

**INHALATION** Remove victim to fresh air. If not breathing, give artificial respiration. Get medical help immediately.

**EYE CONTACT** Flush with water for fifteen minutes. See a physician immediately.

**SKIN CONTACT** Flush with water. Remove contaminated clothing. If irritation persists, see a physician.

**NOTE TO PHYSICIAN** Treatment based on judgment of the physician in response to reactions of the patient.

## SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT / METHOD	N/A	FLAMMABLE LIMITS	LEL-N/A UEL-N/A
% VOLATILE	N/A		
EXTINGUISHING MEDIA		Water mist, dry chemical, co2, alcohol foam	
SPECIAL FIRE FIGHTING PROCEDURES		Firefighters should wear a self-contained breathing apparatus as in all chemical fires.	
FIRE AND EXPLOSION HAZARDS		Will react with zinc and aluminum to form hydrogen gas, which may accumulate to explosive concentrations.	

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

RESPONSE TO SPILLS	Stop leak, dilute spilled material with sodium bicarbonate solution or chalk dust to greater pH 6.5
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## SECTION 7 – HANDLING AND STORAGE

HANDLING PRECAUTIONS	Wash hands before eating. Keep container tightly closed when not in use.
STORAGE PRECAUTIONS	Store in a dry, cool place away from active metals

## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTIONS

HYGIENIC PRACTICES	Normal procedures for good hygiene. Observe label precautions. Use personal protection equipment.
ENGINEERING CONTROLS	No special ventilation requirements.** OR **Use general mechanical ventilation to remove vapors at the source. Eyewash station is recommended.** OR **Use local exhaust to remove vapors at the source. Eyewash station recommended.
X RESPIRATOR	Not required
X GOGGLES / FACE SHIELD	Required; goggles should be chemical splash type
APRON	Not required
X GLOVES	Required; gloves should be chemical resistant type
BOOTS	Not required

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear liquid	BOILING POINT	212° F.
ODOR	Acidic	VAPOR PRESSURE	N/A
pH	<2.0	VAPOR DENSITY	N/A
SPECIFIC GRAVITY	1.080	EVAPORATION RATE (butyl acetate=1)	<1
SOLUBILITY IN WATER	N/A		

## SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY	STABLE	X	UNSTABLE
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**CONDITIONS TO AVOID  
INCOMPATIBILITY**

Reacts with metals (mild steel, zinc and aluminum). Will also react with alkaline materials.  
Concentrated bases, aluminum, zinc

**HAZARDOUS PRODUCTS  
OF DECOMPOSITION**

Phosphorous pentoxide; carbon dioxide

**POLYMERIZATION**

**WILL NOT OCCUR** X

**MAY OCCUR**

**CONDITIONS TO AVOID**

Contact with bases, aluminum, or zinc

**SECTION 11 – TOXICOLOGICAL INFORMATION**

**CARCINOGENICITY**

X

THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN.

THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910,Z.

**OTHER EFFECTS**

**ACUTE**

Irritation or burns to exposed mucous membranes

**CHRONIC**

Unknown

**ORAL LD/50**

Unknown

**SECTION 12 – DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL**

After neutralizing, material may be flushed to sewer.

**SECTION 13 – TRANSPORT INFORMATION**

**DOT CLASSIFICATION**

**HAZARDOUS** X

**NOT HAZARDOUS**

**DESCRIPTION**

Corrosive liquid, n.o.s. ( contains phosphoric acid and oxalic acid) 8, UN 1760, PG II

**HM CODE**

140

**SECTION 14 – OTHER INFORMATION**

**HMIS CLASSIFICATION**

2	<b>BLUE</b>	HEALTH HAZARD
0	<b>RED</b>	FLAMMABILITY
0	<b>YELLOW</b>	REACTIVITY
ACID	<b>WHITE</b>	SPECIAL HAZARD

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