

MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME MYERS LI-5

PRODUCT CODE LI-5

DISTRIBUTOR
STREET ADDRESS
CITY, STATE ZIP

Myers Supply, Inc.
831 Third St.
Hot Springs, AR 71913
(501) 623-7742

ISSUE DATE 01/21/02

SUPERCEDES 01/21/02

PHONE

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 ³ | 1 mg/m ³ | 3 mg/m ³ | None |
| Oxalic Acid | 144-62-7 | 1mg/m ³ | 1mg/m ³ | 2mg/m ³ | 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 |
|--------------------|-----------------------------------------------------------------------------------------------------|

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 |
|--------------------|--------|---|----------|

**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

CARCINOGENCITY

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 | BLUE | HEALTH HAZARD |
| 0 | RED | FLAMMABILITY |
| 0 | YELLOW | REACTIVITY |
| ACID | WHITE | SPECIAL HAZARD |

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