

# FLINN SCIENTIFIC, INC.

## Material Safety Data Sheet (MSDS)

MSDS #: 452.00

Revision Date: March 15, 2001

### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Lithium

Flinn Scientific, Inc. P.O. Box 219 Batavia, IL 60510 (800) 452-1261  
CHEMTREC Emergency Phone Number: (800) 424-9300

### SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

Lithium

CAS#: 7439-93-2

### SECTION 3 - HAZARDS IDENTIFICATION

Very soft, silvery metal. Odorless.  
Corrosive to body tissues. Avoid all body tissue contact.  
Store under mineral oil; reacts violently with water.

#### FLINN AT-A-GLANCE

Health-1  
Flammability-3  
Reactivity-3  
Exposure-2  
Storage-2

0 is low hazard, 3 is high hazard

### SECTION 4 - FIRST AID MEASURES

Call a physician, seek medical attention for further treatment, observation and support after first aid.  
Inhalation: Remove to fresh air at once. If breathing has stopped give artificial respiration immediately.  
Eye: Immediately flush with fresh water for 15 minutes.  
External: Wash continuously with fresh water for 15 minutes.  
Internal: Give large quantities of water. Call a physician or poison control at once.

### SECTION 5 - FIRE FIGHTING MEASURES

Flammable solid. Dangerous fire risk.  
Reacts violently with water. When heated to decomposition, emits toxic fumes of LiO<sub>2</sub> and hydroxide.  
Fire Fighting Instructions: Use Class D. Met-L-X. or dry sand as a fire extinguisher. Avoid water contact, violent reaction with water. Firefighters should wear PPE and SCBA with full facepiece operating in positive mode.

#### NFPA CODE

H-3  
F-2  
R-2

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

Cover metal with dry oil (dry kerosene, dry mineral oil, etc.). Return metal to a container and keep covered with dry oil.

### SECTION 7 - HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Inorganic #1. Store with metals and metal hydrides.  
Always store under dry oil (kerosene or mineral oil). Store in a glass bottle inside a Flinn Saf-Stor can, in a cool dry place. Use and dispense in a hood.

### SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, chemical-resistant gloves and chemical-resistant apron.