



## **MATERIAL SAFETY DATA SHEET**

### ***Lithium Fluoride:***

#### **Eyes**

- Safety glasses with side shields should be worn.

#### **Skin**

- Protective gloves are recommended.

#### **Respiratory**

- A NIOSH approved respirator for dusts, fumes, and mists.

#### **Special Precautions**

- **Handling:**

1. Wash thoroughly after handling.
2. Wear full protective clothing at all times.

- **Storage:**

1. Store in tightly closed containers.
2. Store in a cool, dry place.

- **Ventilation:**

1. Local exhaust to maintain exposure below TLV.

- **Engineering Controls:**

1. Maintain sink, safety shower and eyewash fountain in the work area.

#### **Toxicity**

#### **Toxicity Data**

- Information not given by the manufacturer.

#### **Health**

**Effects: Inhalation: Fluorides are classified as irritants. Can cause mucous membrane and respiratory tract irritation. May also be corrosive to respiratory tract tissue. Avoid inhalation.**

- **Skin/Eye:** Moderate irritation to the skin and eye. May cause redness and possibly burns to the skin from prolonged contact.
- **Ingestion:** Ingestion causes vomiting, diarrhea and cramp like pains. Overexposure to lithium compounds can cause CNS effect such as tremors, dizziness, blurred vision and slurred speech. Long term exposure could cause kidney injury.

**First Aid:**

- **Inhalation:** Remove victim to fresh air. Administer oxygen. Seek medical attention.
- **Eye:** Flush eyes with water for 15 minutes. Seek medical attention.
- **Skin:** Brush material off skin. Wash affected area with soap and water.
- **Ingestion:** Do not induce vomiting. Seek medical attention.

**PEL/TLV**

**PEL**

- OSHA PEL 2.5 mg/m<sup>3</sup>

**TLV**

- ACGIH TLV 2.5 mg/m<sup>3</sup>

**Fire Hazard Data**

- **Flash point:** N/A
- **Flammability:** non-flammable
- **Extinguishing Media:** agent for metal fires.
- **Special Procedures:** Wear NIOSH/MSHA self-contained breathing apparatus and full protective clothing.
- **Unusual Hazard:** none