

化 学 品 安 全 技 术 说 明 书

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**MSDS标题**

LITHIUM ISOPROPOXIDE MSDS报告

**产品标题**

异丙基锂

**CAS号**

2388-10-5

**化学品及企业标识**

**PRODUCT NAME**

LITHIUM ISOPROPOXIDE

**NFPA**

Flammability	1
Toxicity	2
Body Contact	3
Reactivity	1
Chronic	2

SCALE: Min/Nil=0 Low=1 Moderate=2 High=3 Extreme=4

**PRODUCT USE**

Reagent.

## **SYNONYMS**

C3-H7-Li-O, (CH3)2CHOLi

## **CANADIAN WHMIS SYMBOLS**

## **EMERGENCY OVERVIEW**

### **RISK**

Causes burns.

Risk of serious damage to eyes.

## **POTENTIAL HEALTH EFFECTS**

### **ACUTE HEALTH EFFECTS**

#### **SWALLOWED**

The material can produce chemical burns within the oral cavity and gastrointestinal tract following ingestion. Lithium, in large doses, can cause dizziness and weakness. If a low salt diet is in place, kidney damage can result. There may be dehydration, weight loss, skin effects and thyroid disturbances. Central nervous system effects include slurred speech, blurred vision, numbness, inco-ordination and convulsions. Repeated exposure can cause diarrhea, vomiting, tremor, muscle jerks and very brisk reflexes.

#### **EYE**

The material can produce chemical burns to the eye following direct contact. Vapors or mists may be extremely irritating. If applied to the eyes, this material causes severe eye damage. The material may be irritating to the eye, with prolonged contact causing inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.

#### **SKIN**

The material can produce chemical burns following direct contact with the skin. The material may cause skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin.

#### **INHALED**

If inhaled, this material can irritate the throat and lungs of some persons. The material may produce respiratory tract irritation, and result in damage to the lung including reduced lung function.

## **CHRONIC HEALTH EFFECTS**

Principal routes of exposure are usually by skin contact/absorption and inhalation of generated dust. Lithium compounds can affect the nervous system and muscle. This can cause tremor, inco-ordination, spastic jerks and very brisk reflexes. They may cause birth defects and should not be used when pregnancy is suspected. They are effective in treating manic episodes of bipolar disorder. Restricting sodium in the diet increases the risks of taking lithium.

Xinya