

化 学 品 安 全 技 术 说 明 书

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**MSDS标题**

KATHENE SOLUTION MSDS报告

**产品标题**

氯化锂

**CAS号**

7447-41-8

**化学品及企业标识**

**PRODUCT NAME**

KATHENE SOLUTION

**NFPA**

Flammability	0
Toxicity	2
Body Contact	2
Reactivity	0
Chronic	3

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

**PRODUCT USE**

Used as an anticorrosive.

## **SYNONYMS**

anticorrosive

## **CANADIAN WHMIS SYMBOLS**

## **EMERGENCY OVERVIEW**

### **RISK**

Harmful if swallowed.

Irritating to skin.

May cause CANCER by inhalation.

May cause SENSITIZATION by skin contact.

Toxic to aquatic organisms, may cause long- term adverse effects in the aquatic environment.

## **POTENTIAL HEALTH EFFECTS**

### **ACUTE HEALTH EFFECTS**

#### **SWALLOWED**

Accidental ingestion of the material may be harmful; animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual. Considered an unlikely route of entry in commercial/industrial environments. 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**

Although the material is not thought to be an irritant, direct contact with the eye may produce transient discomfort characterized by tearing or conjunctival redness (as with windburn). The material may produce moderate eye irritation leading to inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.

#### **SKIN**

This material can cause inflammation of the skin oncontact in some persons. Skin contact is not thought to have harmful health effects, however the material may still produce health damage following entry through wounds, lesions or abrasions. The material may cause severe 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. Repeated exposures may produce severe ulceration. Toxic effects may result from skin absorption. Open cuts, abraded or irritated skin should not be exposed to this material. The material may accentuate any pre-existing skin condition.

## **INHALED**

The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting. Not normally a hazard due to non-volatile nature of product.

## **CHRONIC HEALTH EFFECTS**

Skin contact with the material is more likely to cause a sensitization reaction in some persons compared to the general population.

Principal route of exposure is usually by skin contact. 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.