

化学品安全技术说明书

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MSDS标题

HEXYLLITHIUM MSDS报告

产品标题

正己基锂

CAS号

21369-64-2

化学品及企业标识

PRODUCT NAME

HEXYLLITHIUM

NFPA

Flammability	3
Toxicity	2
Body Contact	4
Reactivity	2
Chronic	2

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

PRODUCT USE

Laboratory reagent; polymerises isoprene and butadiene; intermediate in the preparation of lithium hydride; component of rocket fuel; metalating agent.

SYNONYMS

C6-H13-Li, Li(CH₂)₅CH₃, "hexyl lithium", n-hexylithium, n-hexylithium, 1-hexyllithium, 1-hexyllithium, 1-lithiohexane, 1-lithiohexane

CANADIAN WHMIS SYMBOLS

EMERGENCY OVERVIEW

RISK

Spontaneously flammable in air.

Causes severe burns.

Risk of serious damage to eyes.

Reacts violently with water liberating extremely flammable gases.

May cause fire.

POTENTIAL HEALTH EFFECTS

ACUTE HEALTH EFFECTS

SWALLOWED

The material can produce severe chemical burns within the oral cavity and gastrointestinal tract following ingestion. 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

The material can produce severe 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.

SKIN

The material can produce severe chemical burns following direct contact with the skin.

INHALED

If inhaled, this material can irritate the throat and lungs of some persons. Inhalation of quantities of liquid mist may be extremely hazardous, even lethal due to spasm, extreme irritation of larynx and bronchi, chemical

pneumonitis and pulmonary edema.

CHRONIC HEALTH EFFECTS

Principal routes of exposure are by accidental skin and eye contact and by inhalation of vapors especially at higher temperatures. Lithium compounds can affect the nervous system and muscle. This can cause tremor, incoordination, 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.

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