

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Lithium Bis (Fluorosulfonyl) imide
Product Number: S2682

Sarchem Laboratories, Inc.
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Farmingdale, NJ 07727

Emergency Phone No: 800-255-3924
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ChemTel Inc

2. HAZARDS INFORMATION:

2.1 Classification of the substance or mixture

H314 Skin Corr. 1B R34, R23/34/35
H318 Eye Dam. 1 R41

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements Pictogram Signal word

Warning

Emergency Overview

Pictogram



Signal word Danger

Hazard statement(s)

H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.

Precautionary statement(s)

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P330 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
+ P331
P303 + P361 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
+ P353 Rinse skin with water/shower.

- P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P501 Dispose of contents/container to local regulations

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS</u>	<u>EC:NO</u>	<u>Molecular Weight</u>
Lithium bis(fluorosulfonyl)amide	171611-11-3		187.06 g/mol
Synonyms:	Imidodisulfuryl fluoride lithium salt		
Formula:	F2NO4S2Li		

4. FIRST AID MEASURES:

General Advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangers area.

If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.

In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Most important symptoms and effects

Severe burns may occur.

5. FIRE FIGHTING MEASURES

Conditions of flammability

Not flammable or combustible.

Suitable extinguishing media

Use dry chemical or carbon dioxide. Do not use water.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

Special Hazards arising from the substance or mixture

Corrosive.

6. Accidental Release Measures

Personal precautions

Avoid dust formation. Avoid breathing vapors, mist or gas.

Environmental precautions

Do not discharge into drains or rivers

Methods for cleaning up

Mix with sand or vermiculite. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7. Handling and Storage

Handling

Avoid formation of dust and aerosols.
Ensure there is sufficient ventilation of the area.
Wash hands immediately after contamination.
Avoid contact with water or humidity.

Storage

Keep container tightly closed in a dry and well-ventilated place. Store away from oxidising agents

Keep in a dry place.

8. Exposure Controls / Personal Protection

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES:**Appearance**

Form	powder
Color	white

Safety data

pH	no data available
Melting Point	124-128 °C
Boiling Point	no data available
Flash Point	no data available
Ignition temperature	no data available
Lower exposure limit	no data available
Upper exposure limit	no data available
Vapor pressure	no data available
Water solubility	no data available

10. Stability and Reactivity

Storage stability

Stable under recommended storage conditions.

Materials to avoid

no data available

Conditions to Avoid

Moist Air.

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. -

Other decomposition products - no data available

11. Toxicological Information

Acute toxicity

no data available

Skin corrosion/irritation

strong corrosive effect on skin and mucous membranes

Serious eye damage/eye irritation

strong corrosive effect

Germ cell mutagenicity

no data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure (Globally Harmonized System)

no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System)

no data available

Potential health effects

Inhalation Toxic if inhaled. May cause respiratory tract irritation.

Ingestion Toxic if swallowed.

Skin Toxic if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

12. Ecological Information

Elimination information (persistence and degradability)

No data available

Ecotoxicity effects

No data available

Further information on ecology

No data available

13. Disposal Considerations

Product

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber

14. Transportation Information

DOT (US)

UN number: 1779 Class: 8 Packing group: III

Proper Shipping name: Corrosive solid, n.o.s. (Lithium bis(fluorosulfonyl)amide)

IMDG

UN number: 1779 Class: 8 Packing group: III

Proper Shipping name: Corrosive solid, n.o.s. (Lithium bis(fluorosulfonyl)amide)

Special Precautions for user: This substance, when containing less alcohol, water or phlegmatizer than specified, shall not be transported, unless specifically authorized by the competent authority.

IATA

UN number: 1779 Class: 8 Packing group: III

Proper Shipping name: Corrosive solid, n.o.s. (Lithium bis(fluorosulfonyl)amide)

15. Regulatory Information

OSHA Hazards

Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption

DSL Status

All components of this product are on the Canadian DSL list.

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Not SARA HAZARD

16. OTHER INFORMATION:

Further Information

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