

## LTS Research Laboratories, Inc. Safety Data Sheet

## Lithium trifluoromethanesulfonate

1. Product and Company Identification

Trade Name: Lithium trifluoromethanesulfonate

Chemical Formula: LiCF<sub>3</sub>SO<sub>3</sub>

Recommended Use: Scientific research and development

Manufacturer/Supplier: LTS Research Laboratories, Inc.

Street: 37 Ramland Road
City: Orangeburg
State: New York
Zip Code: 10962
Country: USA

Tel #: 855-587-2436 / 855-lts-chem

24-Hour Emergency Contact: 800-424-9300 (US & Canada)

+1-703-527-3887 (International)

## 2. Hazards Identification

Signal Word: Warning



Hazard Statements: H315 Causes skin irritation

H319 Causes serious eye irritation H335 May cause respiratory irritation.

Precautionary Statements: P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ eye protection/ face protection.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you

 $P305 + P351 + P338 \ IF\ IN\ EYES: Rinse\ cautiously\ with\ water\ for\ several\ minutes.\ Remove\ contact\ lenses,\ if\ present\ and\ easy\ to\ do.$ 

Continue rinsing.

 $P332 + P313 \; If \; skin \; irritation \; occurs: \; Get \; medical \; advice/ \; attention. \\ P337 + P313 \; If \; eye \; irritation \; persists: \; Get \; medical \; advice/ \; attention. \\$ 

P362 Take off contaminated clothing and wash before reuse.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents/ container to an approved waste disposal plant.

HMIS Health Ratings (0-4):

Health: 2
Flammability: 0
Physical: 0

3. Composition		
Chemical Family:	Inorganic	
Additional Names:	N/A	
Lithium trifluoromethanesulfonate (L		
Percentage:	100 wt%	
CAS #:	33454-82-9	
EC #:	251-528-5	
	4. First Aid Procedures	
General Treatment:	Seek medical attention if symptoms persist.	
Special Treatment:	None	
Important Symptoms:	None	
Inhalation:	Remove victim to fresh air. Supply oxygen if breathing is difficult.	
Ingestion:	Give one to two glasses of water. Never induce vomiting or give	
~.	anything by mouth to an unconscious person.	
Skin:	Wash affected area with mild soap and water. Remove any	
Ever	contaminated clothing. Flush eyes with water, blinking often for several minutes. Remove	
Eyes:	contact lenses if present and easy to do. Continue rinsing	
	5. Firefighting Measures	
Flammability:	Non-flammable, except as powder	
Extinguishing Media:	No special restrictions – use suitable extinguishing agent for	
	surrounding material and type of fire. Do not use water for metal fires	
	use CO <sub>2</sub> , sand, extinguishing powder.	
Spec. Fire Fighting Procedure:	Use full-face, self-contained breathing apparatus with full protective	
	clothing to prevent contact with skin and eyes. See section 10 for	
	decomposition products.	
	6. Accidental Release Measures	
If Material Is Released/Spilled:	Wear appropriate respiratory and protective equipment specified in	
	special protection information. Isolate spill area and provide	
	ventilation. Vacuum up spill using a high efficiency particulate	
	absolute (HEPA) air filter and place in a closed container for disposal.	
	Take care not to raise dust.	
Environmental Precautions:	Isolate runoff to prevent environmental pollution.	
	7. Handling and Storage	
Handling Conditions:	Wash thoroughly after handling.	
Storage Conditions:	Store in a cool dry place in a tightly sealed container. Store apart from	
	materials and conditions listed in section 10.	
Work/Hygienic Maintenance:	Do not use tobacco or food in work area. Wash thoroughly before	
	eating and smoking. Do not blow dust off clothing or skin with	
X7(1(1	compressed air.	
Ventilation:	Provide sufficient ventilation to maintain concentration at or below	

threshold limit.

## 8. Exposure Controls and Personal Protection Permissible Exposure Limits: N/A Threshold Limit Value: N/A Special Equipment: None Respiratory Protection: **Dust Respirator** Protective Gloves: Rubber gloves Eve Protection: Safety glasses or goggles **Body Protection:** Protective work clothing. Wear close-toed shoes and long sleeves/pants. 9. Physical and Chemical Characteristics Color White Form: Powder, Granules, Pellets, Sputtering target, Custom parts Odor: **Odorless** Water Solubility: Insoluble **Boiling Point:** N/A Melting Point: 300 °C Flash Point: N/A Autoignition Temperature: N/A Density: N/A Molecular weight: 156.01 g/mol 10. Reactivity Stable under recommended storage conditions Stability: Reacts With: Oxidizing agents, Strong acids **Incompatible Conditions:** Moisture Hazardous Decomposition Products: Metal oxide fume, Carbon oxides, Sulphur oxides, Hydrogen fluoride, Lithium oxides 11. Toxicological Information Potential Health Effects: Eyes: Cause irritation Skin: Cause irritation Ingestion: May cause irritation Inhalation: Cause irritation Chronic: N/A Signs & Symptoms: N/A Aggravated Medical Conditions: N/A Median Lethal Dose: N/A N/A Carcinogen:

12. Ecological Information

Aquatic Toxicity: N/A
Persistent Bioaccumulation Toxicity: N/A
Very Persistent, Very Bioaccumulative: N/A
Notes: N/A

13. Disposal Considerations

Dispose of in accordance with local, state, national, and international regulations.

Hazardous:	Not hazardous for transportation.	
Hazard Class:	N/A	
Packing Group:	N/A	
UN Number:	N/A	
Proper Shipping Name:	N/A	
	15. Regulatory Information	
Sec 302 Extremely Hazardous:	N/A	
Sec 304 Reportable Quantities:	N/A	
Sec 313 Toxic Chemicals:	N/A	

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

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