

CAS #:

EC #:

LTS Research Laboratories, Inc. Safety Data Sheet Lithium Lanthanum Titanate

1. Product and Company Identification Trade Name: Lithium lanthanum titanate Chemical Formula: LiLaTiO₄, LiLaTi₂O₃ Recommended Use: Scientific research and development Manufacturer/Supplier: LTS Research Laboratories, Inc. 37 Ramland Road Street: City: Orangeburg New York State: 10962 Zip Code: Country: USA Tel #: 845-587-2436 / 845-lts-chem 24-Hour Emergency Contact: 800-424-9300 (US & Canada) +1-703-527-3887 (International) 2. Hazards Identification Signal Word: Warning stories, Inc Hazard Statements: H302 Harmful if swallowed H315 Causes skin irritation H319 Causes serious eye irritation **Precautionary Statements:** P261 Avoid breathing dust/fume/vapor P305+P351 If in eyes: Rinse cautiously with water for several minutes. P301+P330 If swallowed: Rinse mouth HMIS Health Ratings (0-4): Health: 2 0 Flammability: 0 Physical: 3. Composition Chemical Family: Ceramic Additional Names: LLTO, Lithium lanthanum titanium oxide Lithium lanthanum titanate (LiLaTiO₄): Percentage: 100 wt% CAS #: None EC #: None Lithium lanthanum titanate (LiLaTi₂O₆): Percentage: alternate 100 wt%

None

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9. Pl	nysical and Chemical Characteristics
Color	Dark grey
Form:	Powder, Granules, Pellets, Sputtering target, Custom parts
Odor:	Odorless
Water Solubility:	Insoluble
Boiling Point:	N/A
Melting Point:	N/A
Flash Point:	N/A
Autoignition Temperature:	N/A
Density:	N/A
Molecular weight:	N/A
	10. Reactivity
Stability:	Stable under recommended storage conditions
Reacts With:	Oxidizing agents
Incompatible Conditions:	None
Hazardous Decomposition Products:	Metal oxide fume
	11. Toxicological Information
Potential Health Effects:	
Eyes:	May cause serious irritation
Skin:	May cause irritation
Ingestion:	Harmful
Inhalation:	May cause irritation
Chronic:	Large amounts of lithium compounds may cause vomiting, diarrhea,
	ataxia, intestinal irritation, kidney injury, central nervous system
	depression and a drop in blood pressure. Central nervous system effect
	may include slurred speech, blurred vision, dizziness, sensory loss,
	convulsions and stupor. Chronic intake may cause neuromuscular
	effects such as tremor, ataxia, weakness, clonus and hyperactive
	reflexes. Lithium can cause kidney damage, gastrointestinal
	disturbances, fatigue, dehydration, weight loss, dermatological effects
	and thyroid damage. Lithium ion has shown teratogenic effects in rats
	and mice.
Signs & Symptoms:	N/A
Aggravated Medical Conditions:	N/A
Median Lethal Dose:	N/A
Carcinogen:	N/A
	12. Ecological Information
Aquatic Toxicity:	Low
Persistent Bioaccumulation Toxicity:	No
Very Persistent, Very Bioaccumulative:	No
Notes:	N/A

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

14. Transportation Data		
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:	No	
Sec 304 Reportable Quantities:	N/A	
Sec 313 Toxic Chemicals:	No	
	16. Other Information	

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.

Document Last Revised:

04/29/2015

