

LTS Research Laboratories, Inc. Safety Data Sheet Lithium Carbonate Barium Carbonate

1. Product and Company Identification Trade Name: Lithium carbonate barium carbonate Chemical Formula: Li₂CO₃/BaCO3 Recommended Use: Scientific research and development Manufacturer/Supplier: LTS Research Laboratories, Inc. Street: 37 Ramland Road City: Orangeburg New York State: 10962 Zip Code: USA Country: 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: H319 Causes serious eye irritation. H302: Harmful if swallowed P264: Wash thoroughly after handling **Precautionary Statements:** P270: Do not eat, drink or smoke when using this product P280: Wear protective gloves/protective clothing/eye protection/face protection P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell P330: Rinse mouth P337+P313: If eye irritation persists get medical advice/attention P501: Dispose of contents/container in accordance with local/regional/national/international regulations HMIS Health Ratings (0-4): Health: 2 Flammability: 1 1 Physical:

3. Composition	
Chemical Family: Additional Names:	Ceramic mixture Dilithium carbonate, Carbolith, Cibalith-S, Duralith, Eskalith, Lithane, Lithizine, Lithobid, Lithonate, Lithotabs Priadel, Zabuyelite, Witherite
Lithium carbonate (Li ₂ CO ₃): Percentage: CAS #: EC #:	0-100 wt% 554-13-2 209-062-5
Barium Carbonate (BaCO ₃): Percentage: CAS #: EC #:	0-100 wt% 513-77-9 208-167-3
	4. First Aid Procedures
General Treatment: Special Treatment: Important Symptoms:	Seek medical attention if symptoms persist. None None
Inhalation: Ingestion: Skin:	Remove victim to fresh air. Supply oxygen if breathing is difficult. Seek Medical Attention. Wash affected area with mild soap and water. Remove any contaminated clothing.
Eyes:	Flush eyes with water, blinking often for several minutes. Remove contact lenses if present and easy to do. Continue rinsing
	5. Firefighting Measures
Flammability:	Non-flammable, except as powder
Extinguishing Media: Spec. Fire Fighting Procedure:	Do not use water for metal fires – use CO ₂ , sand, extinguishing powder 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: Storage Conditions:	Wash thoroughly after handling. 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 compressed air.
Ventilation:	Provide sufficient ventilation to maintain concentration at or below threshold limit.

Threshold Limit Value: 0.5 mg/m³ as Ba, long-term value Special Equipment: None Respiratory Protection: Use a respirator with type P100 (USA) or P3 (EN143) cartridges as backup to engineering controls. Risk assessment should be perform to determine if air-purifying respirators are appropriate government standards. Protection: Safety glasses or goggles Body Protection: Safety glasses or goggles Body Protection: Safety glasses or goggles Protective work clothing. Wear close-toed shoes and long sleeves/parts. Color White Form: Powder, Granules, Pellets, Sputtering target, Custom parts Odor: Odorless Water Solubility: N/A Boiling Point: N/A Molecular weight: N/A Molecular weight: N/A N/A Stability: Stability: Stable under recommended storage conditions Acids, Oxidizing agents Acids, Carbon monoxide, Carbon dioxide, Barium oxide, May cause irritation Ingestion:	8. Exposure Controls and Personal Protection		
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	very Persistent, Very Bioaccumulative:	No	

Notes:

N/A

Dispose of in accordance with local, state, national, and international regulations. 14. Transportation Data		
N/A		
15. Regulatory Information		
No		
N/A		
Yes (Lithium carbonate, Barium carbonate)		

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:

03/30/2017 Research