

MSDS

Material Safety Data Sheet



1403 Herkimer Street
Joliet, IL 60432-1059
(877) EKI-CHEM
(815) 723-4000
www.eki-chem.com

24 HOUR EMERGENCY
TELEPHONE NUMBER
CALL CHEMTREC
1-800-424-9300

Lithium Carbonate

SECTION 1 PRODUCT IDENTIFICATION

NAME: Lithium Carbonate
EKI ORDER NUMBERS: 5135, 5136
SYNONYMS: Carbonic Acid, Dilithium Salt; Carbonic Acid, Lithium Salt; Dilithium Carbonate
CAS NO: 554-13-2
FORMULA: Li_2CO_3
REVISION DATE: 23 April 2004

****LABEL HAZARD STATEMENT AND PRECAUTIONS****

WARNING! HARMFUL IF SWALLOWED. MAY BE HARMFUL IF INHALED. MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT. Do not swallow. Avoid contact with skin, eyes and clothing. Avoid breathing dust. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

SECTION 2 HAZARDOUS INGREDIENTS / EXPOSURE LIMITS

INGREDIENT	CAS NO	OSHA/PEL	ACGIH/TLV
-----	-----	-----	-----
Lithium Carbonate	554-13-2	N/E	N/E

Lithium Carbonate is subject to the reporting requirements of SARA313 and 40CFR372.

SECTION 3 PHYSICAL / CHEMICAL CHARACTERISTICS

SOLUBILITY IN WATER: Moderate (1-10%)	BOILING POINT: N/A
VAPOR PRESSURE: N/A	VAPOR DENSITY: N/A
SPECIFIC GRAVITY: 2.11 ($\text{H}_2\text{O}=1$)	EVAPORATION RATE: N/A
MELTING POINT: 720°C (1328°F) (at 760 mm Hg)	
APPEARANCE AND ODOR: White powder. Odorless.	

SECTION 4 FIRE / EXPLOSION HAZARD DATA

FLASH POINT: N/A
FLAMMABLE LIMITS (UPPER AND LOWER): N/A
EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.
SPECIAL FIRE FIGHTING PROCEDURES: None identified.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None identified.

SECTION 5 REACTIVITY DATA

STABILITY: Stable.

CONDITIONS TO AVOID: Moisture.

MATERIALS TO AVOID: Fluorine, water, strong acids.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon monoxide, carbon dioxide.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 6 HEALTH HAZARD DATA

ROUTES OF ENTRY: Ingestion, skin contact, eye contact.

HEALTH HAZARDS (ACUTE AND CHRONIC): Chronic: Kidney damage, liver damage.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None identified.

CARCINOGENICITY: None identified.

****FIRST AID PROCEDURES****

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes.

SKIN CONTACT: Flush skin with water.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Prompt action is essential.

INGESTION: CALL A PHYSICIAN. If swallowed, if conscious, immediately induce vomiting.

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Wear self-contained breathing apparatus and full protective clothing. With clean shovel, carefully place material into clean, dry container and cover; remove from area. Flush spill area with water.

WASTE DISPOSAL METHOD: Dispose in accordance with all applicable federal, state, and local environmental regulations.

OTHER PRECAUTIONS: Keep container tightly closed. Suitable for any general chemical storage area.

STORAGE: Store tightly closed at 15-30 C.

SECTION 8 CONTROL MEASURES

VENTILATION: Use adequate general or local exhaust ventilation to keep fume or dust levels as low as possible.

RESPIRATORY PROTECTION: None required where adequate ventilation conditions exist. If airborne concentration is high, use an appropriate respirator or dust mask.

EYE PROTECTION: Safety goggles.

GLOVES: Proper gloves are recommended.

OTHER PROTECTIVE CLOTHING: Uniform.

<p>E K INDUSTRIES, INC. MAKES NO REPRESENTATION AS TO THE COMPREHENSIVENESS OR ACCURACY OF THIS INFORMATION. INDIVIDUALS RECEIVING THIS INFORMATION MUST EXERCISE THEIR INDEPENDENT JUDGMENT IN DETERMINING ITS APPROPRIATENESS FOR A PARTICULAR PURPOSE. ACCORDINGLY, E K INDUSTRIES, INC. WILL NOT BE RESPONSIBLE FOR DAMAGES OF ANY KIND OR NATURE RESULTING FROM THE USE OF ANY SUCH INFORMATION. NO REPRESENTATIONS OR WARRANTIES OF ANY KIND OR NATURE, INCLUDING BUT NOT LIMITED TO: EXPRESS WARRANTIES, IMPLIED WARRANTIES OF MERCHANTABILITY, OR WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE, ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR TO THE PRODUCT TO WHICH THE INFORMATION REFERS.</p>
--