

LITHIUM NITRATE

MSDS Number

BXHLS

National Stock Number

6810-00D003484

Product Name

LITHIUM NITRATE

Manufacturer

SCIENCE KIT AND BOREAL LABORATORIES

Product Identification

Product ID:LITHIUM NITRATE

MSDS Date:11/20/1992

FSC:6810

NIIN:00D003484

MSDS Number: BXHLS

Responsible Party

SCIENCE KIT & BOREAL LABORATORIES

777 EAST PARK DRIVE

TONAWANDA , NY 14150-6708

US

Emergency Phone: 800-424-3900 OR 716-874-6020

Info Phone: 716-874-6020

Preparer: ALEXANDER A. PICCINILLI

Cage: 57020

Contractor

SCIENCE KIT INC

TONAWANDA, NY 14150-6708

US

716-874-6020

Cage: 57020

Ingredients

LITHIUM NITRATE

CAS: 7790-69-4

RTECS: QU9200000

Fraction By Weight: 100%

Hazards

LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHALATION:DUST MAY CAUSE RESPIRATORY IRRITATION W/COUGHING, SORE THROAT. INGESTION:NITRATES MAY CAUSE DIZZINESS, ABDOMINAL CRAMPS, VOMITING, BLOODY DIARRHEA, WEAKNESS, CONVULSIONS & COLLAPSE. SYMPTOM S SIMILAR TO CHRONIC INGESTION MAY OCCUR SEVERAL HOURS LATER. SKIN:MAY CAUSE IRRITATION. EYE:MAY CAUSE IRRITATION.

Explanation of Carcinogenicity:MANUFACTURER GAVE NO INFORMATION ABOUT CARCINOGENICITY. HMIS DOES NOT EXPECT IT TO BE CARCINOGENIC.

Effects of Overexposure:INHALATION:RESPIRATORY IRRITATION W/COUGHING, SORE THROAT. INGESTION:DIZZINESS, ABDOMINAL CRAMPS, VOMITING, BLOODY DIARRHEA, WEAKNESS, CONVULSIONS & COLLAPSE. SKIN:IRRITATION. EYE:IRRITATION.

Medical Cond Aggravated by Exposure:MFR GAVE NO INFORMATION ON MSDS.

First Aid

First Aid:IF ANY IRRITATION PERSISTS OR SEVERE, GET MEDICAL ATTENTION. EYE:FLUSH W/WATER FOR 15 MIN. SKIN:WASH W/SOAP & WATER. REMOVE CONTAMINATED CLOTHING & LAUNDRER BEFORE REUSE. INHALED:REMOVE FROM CONTAMINATED AREA. AID OR RESTORE BREATHING AS NEEDED. INGESTED:GIVE LARGE AMOUNTS OF MILK OR WATER TO DRINK AND INDUCE VOMITING & GET IMMEDIATE MEDICAL ATTENTION. NOTHING BY MOUTH IF UNCONCIOUS.

Fire Fighting

Flash Point:NON COMBUSTIBLE

Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS. WEAR FULL PROTECTIVE CLOTHING & NIOSH SCBA W/FULL FACEPIECE OPERATED IN PRESSURE DEMAND MODE..

Unusual Fire/Explosion Hazard:FIRE:STRONG OXIDIZER. MAY CAUSE IGNITION W/COMBUSTIBLES. EXPLOSION:STRONG OXIDANT. MAY EXPLODE IF SHOCKED, OR EXPOSED TO HEAT. ALSO RISK OF DUST EXPLOSION.

Accidental Release

Spill Release Procedures:RECOVER FOR USE IF POSSIBLE. VENTILATE AREA. CLEAN-UP PERSONNEL MAY REQUIRE RESPIRATORY PROTECTION FROM DUST. SWEEP UP & PLACE IN SUITABLE CONTAINER FOR DISPOSAL.

Neutralizing Agent:MFR GAVE NO INFORMATION ON MSDS.

Handling

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM COMBUSTIBLE MATERIALS. WASH THOROUGHLY AFTER USE.

Other Precautions:DEEP FROM CONTACT W/ORGANIC, OXIDIZABLE & COMBUSTIBLE MATERIALS. REMOVE & WASH CONTAMINATED CLOTHING PROMPTLY. AVOID CONTACT W/EYES, SKIN & CLOTHING. AVOID BREATHING DUST.

Exposure Controls

Respiratory Protection:NONE NEEDED IN NORMAL LABORATORY HANDLING. IF DUSTY CONDITIONS PREVAIL WORK IN VENTILATION HOOD OR WEAR A NIOSH APPROVED DUST MASK OR RESPIRATOR.

Ventilation:MECHANICAL (GENERAL) VENTILATION &/OR LOCAL EXHAUST RECOMMENDED.

Protective Gloves:RUBBER OR NEOPRENE

Eye Protection:CHEMICAL SAFETY GLASSES

Other Protective Equipment:GOGGLES, PROPER GLOVES, LAB COAT, EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:MFR:?. HMIS:USE GOOD CHEMICAL HYGIENE PRACTICES. AVOID CONTACT IF AT ALL POSSIBLE. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health
NONE

Chemical Properties

HCC:D1

NRC/State Lic Num:NONE

Boiling Pt:B.P. Text:1112F,600C

Melt/Freeze Pt:M.P/F.P Text:484F,251C

Decomp Temp:Decomp Text:1112F,600C

Vapor Pres:NO DATA

Vapor Density:NO DATA

Spec Gravity:2.38

Solubility in Water:90 GM / 100 ML

Appearance and Odor:COLORLESS GRANULES, NO ODOR

Percent Volatiles by Volume:0

Stability

Stability Indicator/Materials to Avoid:YES

OXIDIZABLE, ORGANIC & COMBUSTIBLE MATERIALS. ALUMINUM, BORON PHOSPHIDE, CYANIDES, ESTERS, THIOCYANATES, PHOSPHORUS.

Stability Condition to Avoid:EXCESSIVE HEAT & TEMPERATURE.

Hazardous Decomposition Products:EMITS NITROGEN OXIDES WHEN HEATED TO DECOMPOSITION.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

Disposal

Waste Disposal Methods:DISCHARGE, TREATMENT OR DISPOSAL MAY BE SUBJECT TO FEDERAL, STATE & LOCAL LAWS. THESE GUIDELINES ARE INTENDED FOR DISPOSAL OF CATALOG-SIZE QUANTITIES ONLY. WHATEVER CANNOT BE SAVED FOR RECLAMATION MAY BE DELIVERED TO AN APPROVED DISPOSAL FACILITY.

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