

L-121, LITHIUM CHLORIDE

MSDS Number

BPJND

National Stock Number

6810-00N015851

Product Name

L-121, LITHIUM CHLORIDE

Manufacturer

FISHER SCIENTIFIC

Product Identification

Product ID:L-121, LITHIUM CHLORIDE

MSDS Date:10/10/1990

FSC:6810

NIIN:00N015851

MSDS Number: BPJND

Responsible Party

FISHER SCIENTIFIC

1 REAGENT LANE

FAIR LAWN , NJ 07410

US

Emergency Phone: 201-796-7100;800-424-9300(CHEMTREC)

Info Phone: 201-796-7100

Cage: 1B464

Contractor

FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

FAIRLAWN, NJ 07410-2802

US

201-796-7100

Cage: 1B464

Ingredients

ASYMMETRY, PSYCHOMOTOR RETARDATION, SLURRED SPEECH,

RTECS: 9999999ZZ

ENLARGEMENT OF BLIND SPOT, CONSTRICTION OF VISUAL

RTECS: 9999999ZZ

PHOTOPHOBIA HAS BEEN REPORTED. MUSCULAR EFTS MAY

RTECS: 9999999ZZ

ARRHYTHMIAS, HYPOTENSION, PERIPHERAL CIRCULATORY

RTECS: 9999999ZZ

EFTS MAY OCCUR. DERMATOLOGIC EFTS MAY OCCUR. HYPER-
RTECS: 9999999ZZ

SEXUAL DYSFUNCTION HAVE BEEN REPORTED.DEATH MAY
RTECS: 9999999ZZ

LITHIUM READILY CROSSES PLACENTAL BARRIER & IS
RTECS: 9999999ZZ

BANDAGE SECURELY,BUT NOT TOO TIGHTLY. GET
RTECS: 9999999ZZ

SALINE FOR AT LEAST 15 MIN, OCCAS LIFTING UPPER &
RTECS: 9999999ZZ

REMOVE BY GASTRIC LAVAGE/EMESIS.
RTECS: 9999999ZZ

GIVE OXYGEN IF RESPIRATION IS DEPRESSED. DO NOT
RTECS: 9999999ZZ

SPILL AREA.FOR LRGR SPILLS,DIKE FAR AHEAD OF
RTECS: 9999999ZZ

LITHIUM CHLORIDE
CAS: 7447-41-8
RTECS: OJ5950000
Fraction By Weight: 100%

BALANCE. SYMP, POSS DELAYED, MAY INCL
RTECS: 9999999ZZ

COMA. MORE UNUSUAL RXNS MAY INCL DELIRIUM W/EEG
RTECS: 9999999ZZ

GLYCOSURIA, & ALLERGIC ERYTHEMA. PAINFUL
RTECS: 9999999ZZ

THERAPEUTIC USE HAS BEEN REPORTED. IN SEV CASES,
RTECS: 9999999ZZ

COMPLICATIONS. SOME SURVIVORS MAY HAVE

RTECS: 9999999ZZ

W/PERIPHERAL NEUROPATHY/PARKINSONISM.

RTECS: 9999999ZZ

EFTS SIMILAR TO THOSE FOR ACUTE EXPOS MAY

RTECS: 9999999ZZ

FOLLICULAR PAPULES ON ARMS,LEGS & TRUNK HAVE BEEN

RTECS: 9999999ZZ

& DURATION OF EXPOS, CONJUNCT/EFTS SIMILAR TO THOSE

RTECS: 9999999ZZ

OF LITHIUM SALTS MAY CAUSE SYMP AS DETAILED IN ACUTE

RTECS: 9999999ZZ

ABDOMINAL PAIN & INCONTINENCE OF URINE & FECES MAY

RTECS: 9999999ZZ

GIDDINESS, MENTAL LAPSES,DROW, VERTIGO, HDCH,

RTECS: 9999999ZZ

Hazards

LD50 LC50 Mixture:LD50: (ORAL,RAT) 526 MG/KG.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

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

Health Hazards Acute and Chronic:(ACUTE)INHAL: INHAL OF DUST MAY CAUSE
RESP TRACT IRRIT.CORR MAY OCCUR UPON CONT W/MOIST MUC MEMB.IF SUFF
QTYS ARE ABSORBED.SYS POIS MAY OCCUR AS DETAILED IN ACUTE INGEST.
SKIN:LITHIUM CHLORIDE MAY CAUSE CORR INJ & POSS BURNS UPON CONT
W/MOIST SKIN. EYE:CORR INJ MAY OCCUR. INGEST: ACUTE POIS IN MAN HAS
(EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:HLTH HAZ:BEEN REPORTED AFTER 1 DOSE OF 4 GRAMS
& AFTER 3 DOSES OF 2 GMS EACH.EACH DOSE CAUSED WEAK,BLURRED VISION,
VERTIGO, TINNITUS, TREMOR, STAG/PROSTRATION. RECOVERY OCCURED IN
4-5 DAYS.IN ADDN,INGEST OF LRG DOSES OF LITHIUM SALTS MAY CAUSE
SEV GASTROENTERITIS & EFTS ON CNS,RENAL FUNCT & FLUID & ELECTROLYTE
(ING 2)

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:INHAL:REMOVE TO FRESH AIR IMMEDIATELY IF BREATHING HAS STOPPED, GIVE
ARTIF RESPIRATION.MAINTAIN AIRWAY & BLOOD PRESS & ADMIN O₂. KEEP WARM & AT
REST. ADMIN OF O₂ SHOULD BE PERFORMED BY QUALIFIED PERSONNEL.GET MEDICAL
IMMEDIATELY.SKIN: REMOVE CONTAMINANTS & SHOES IMMEDIATELY. WASH WITH SOAP/MILD
DETERGENT & LARG AMTS OF WATER UNTIL NO EVIDENCE OF CHEM REMAINS
(15-20 MIN). IN CASE OF CHEM BURNS, COVER AREA WITH STERILE, DRY

DRESSING, (ING 21)

Fire Fighting

Extinguishing Media: DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR REGULAR FOAM. FOR LARGER FIRES, USE WATER SPRAY, FOG OR REGULAR FOAM.

Fire Fighting Procedures: WEAR NIOSH/MSHA APPRVD SCBA/FULL PROT EQUIP. MOVE CNTNR FROM FIRE AREA IF YOU CAN DO IT W/OUT RISK. APPLY COOLING H₂O TO SIDES OF CNTNRS THAT ARE (SUPDAT)

Unusual Fire/Explosion Hazard: NEGLIGIBLE FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME.

Accidental Release

Spill Release Procedures: DO NOT TOUCH SPILLED MATL. STOP LEAK IF YOU CAN DO IT W/OUT RISK. FOR SML SPILLS, TAKE UP W/SAND/OTHER ABSORB MATL & PLACE INTO CNTNRS FOR LATER DISP. FOR SML DRY SPILLS, W/CLEAN SHOVEL PLACE MATL INTO CLEAN, DRY CNTNR & COVER. MOVE CNTNRS FROM (ING 25)

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions: OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS WHEN STORING OF SUBSTANCE. FOR ASSISTANCE, CONTACT DISTRICT DIRECTOR OF ENVIRONMENTAL PROT AGENCY.

Other Precautions: STORE AWAY FROM INCOMPATIBLE SUBSTANCES. MAY BURN BUT DOES NOT IGNITE READILY. FLAMMABLE, POISONOUS GASES MAY ACCUMULATE IN TANKS AND HOPPER CARS. MAY IGNITE COMBUSTIBLES (WOOD, PAPER, OIL, ETC).

Exposure Controls

Respiratory Protection: SPECIFIC RESPIRATOR SELECTED MUST BE BASED ON CONTAMINATION LEVELS FOUND IN WORK PLACE, MUST NOT EXCEED WORKING LIMITS OF RESPIRATOR AND BE JOINTLY APPROVED BY NIOSH/MSHA. CONTACT NEHC FOR ADDITIONAL INFORMATION .

Ventilation: PROVIDE LOCAL EXHAUST OR GENERAL DILUTION VENTILATION SYSTEM.

Protective Gloves: IMPERVIOUS GLOVES .

Eye Protection: CHEM WORK GOG/FULL LGTH FACESHLD .

Other Protective Equipment: APPROPRIATE PROTECTIVE (IMPERVIOUS) CLOTHING AND EQUIPMENT. EYE WASH FOUNTAIN AND QUICK DRENCH SHOWER.

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

FIRE FIGHT PROC: EXPOSED TO FLAMES UNTIL WELL AFTER FIRE IS OUT. STAY AWAY FROM ENDS OF TANKS. EXTINGUISH USING AGENT INDICATED; DO NOT USE H₂O DIRECTLY ON MATERIAL IF LARGE AMOUNTS OF COMBUST MATLS ARE INVOLVED. USE H₂O SPRAY/FOG IN FLOODING AMTS. AVOID BRTHG CORR DUSTS/FUMES FROM BURNING MATL, KEEP UPWIND.

Chemical Properties

HCC: N1

Boiling Pt: B.P. Text: 2417F, 1325C

Melt/Freeze Pt: M.P/F.P Text: 1135F, 613C

Vapor Pres: 1 @ 547C

Spec Gravity: 2.068 @ 25C

pH: NEUT

Solubility in Water: 454 G/L @ 20C

Appearance and Odor: COLORLESS TO WHITE CUBIC, DELIQUESCENT CRYSTALS/GRANULES WITH SHARP SALINE TASTE

Stability

Stability Indicator/Materials to Avoid: YES

BROMINE TRIFLUORIDE: VIOLENT REACTION.

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products: THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE TOXIC AND CORROSIVE FUMES OF CHLORINE.

Disposal

Waste Disposal Methods:OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS
WHEN DISPOSING OF SUBSTANCE. FOR ASSISTANCE, CONTACT DISTRICT
DIRECTOR OF ENVIRONMENTAL PROTECTION AGENCY.

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