

MATERIAL SAFETY DATA SHEET

PLANASLO
CAROLINA BIOLOGICAL

Revised: 05/15/08
Replaces: 11/09/07
Printed: 06/30/09

1. PRODUCT DESCRIPTION

Product Name: Planaslo
Product Code(s): 88-2001
Size: 15 ml
Chemical Name: Lithium Chloride
CAS Number: 7447-41-8
Formula: LiCl
Synonyms: None
Distributor: Carolina Biological Supply Company
2700 York Road
Burlington, NC 27215

Chemical Information: 800-227-1150 (8am-5pm (ET) M-F)
Chemtrec (Transportation Spill Response 24 hours): 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Principal Hazardous Components: Lithium Chloride (CAS#7447-41-8) 5%
TLV and PEL units: None established

3. HAZARD IDENTIFICATION

Emergency Overview: May be harmful if swallowed or if absorbed through skin. May be irritating to skin, eyes and mucous membranes.

Potential Health Effects:

Eyes: May cause irritation.

Skin: May cause irritation.

Ingestion: May cause gastrointestinal discomfort.

Inhalation: May cause irritation to respiratory tract.

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

Eyes - Flush thoroughly with water. Seek medical attention if irritation persists.

Skin - Wash exposed area with soap and water. Seek medical attention if irritation persists.

Ingestion - In quantities normally handled, symptoms would not be expected. If swallowed, if conscious, give water. Seek medical attention if gastrointestinal irritation or other unexpected symptoms develop.

Inhalation - Not expected to present a problem. However, if the exposed person is having trouble breathing, remove to fresh air. Give oxygen if breathing is difficult; give artificial respiration if breathing has stopped. Keep person warm and quiet, and get medical attention.

5. FIREFIGHTING PROCEDURES

Flash Point(Method Used): N/A

NFPA Rating: Health: 0
Fire: 0
Reactivity: 0

Extinguisher Media:

Use media suitable to extinguish surrounding fire.

Flammable Limits in Air % by Volume: N/A

Autoignition Temperature: N/A

Special Firefighting Procedures:

Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Thermal decomposition of lithium

MATERIAL SAFETY DATA SHEET

PLANASLO
CAROLINA BIOLOGICAL

Revised: 05/15/08
Replaces: 11/09/07
Printed: 06/30/09

chloride produces toxic fumes.

6. SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:

Ventilate area of spill. Eliminate all sources of ignition. Remove all non-essential personnel from area. Clean-up personnel should wear proper protective equipment and clothing. Absorb material with suitable absorbent and containerize for disposal.

7. SPECIAL PRECAUTIONS

Precautions to be Taken in Handling or Storing: Keep container tightly closed. Store in cool, dry, ventilated area.

Other Precautions: Do not get in eyes, on skin, or on clothing.

8. SPECIAL PROTECTION INFORMATION

Respiratory Protection(Specify Type):

A NIOSH/MSHA chemical cartridge respirator should be worn if PEL or TLV is exceeded.

Ventilation:

Local Exhaust: Yes
Mechanical(General): Yes
Special: No
Other: No

Protective Gloves:

Rubber, neoprene, PVC, or equivalent.

Eye Protection:

Splash proof chemical safety goggles should be worn at all times.

Other Protective Clothing or Equipment:

Lab apron, eye wash, and safety shower.

9. PHYSICAL DATA

Molecular Weight: 42.39
Melting Point: 608°C
Boiling Point: 1355°C
Vapor Pressure: N/A
Vapor Density(Air=1): N/A
Specific Gravity(H2O=1): 2.1
Percent Volatile by Volume: 0%
Evaporation Rate(H2O=1): N/A
Solubility in Water: Soluble
Appearance and Odor: Clear odorless liquid

10. REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Moisture

Incompatibility(Materials to Avoid): Acids, BrF3, BrCl3

Hazardous Decomposition Products: HCl

Hazardous Polymerization: Will not occur

11. TOXICITY DATA

Toxicity Data for Lithium Chloride: Oral rat LD50: 526 mg/kg

Effects of Overexposure:

Acute: See section 3

Chronic: Tests on laboratory animals indicated material may cause tumors and produce adverse mutagenic and reproductive effects.

Conditions Aggravated by Overexposure: May be harmful if swallowed; may

MATERIAL SAFETY DATA SHEET

PLANASLO
CAROLINA BIOLOGICAL

Revised: 05/15/08
Replaces: 11/09/07
Printed: 06/30/09

cause gastrointestinal symptoms when consumed in large amounts. May be harmful if absorbed through the skin. May irritate skin, eyes or mucous membranes. Prolonged or repeated ingestion may cause disturbed electrolyte balance, impair renal function, and central nervous system (CNS) disturbance.

Target Organs: Metabolic, kidney and CNS on prolonged exposure.
Primary Route(s) of Entry: Inhalation, ingestion or skin contact.

12. ECOLOGICAL DATA

EPA Waste Numbers: None

13. DISPOSAL INFORMATION

Waste Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations.
Always contact a permitted waste disposer (TSD) to assure compliance.

14. TRANSPORT INFORMATION

Non-regulated

15. REGULATORY INFORMATION

EPA TSCA Status: On TSCA Inventory
Hazard Category for SARA Section 311/312 Reporting: Acute

Product or Components	SARA EHS Sec. 302 TPQ	SARA Sec. 313 Chemicals Name List	Category	CERCLA Sec. 103 RQ lbs.	RCRA Sec. 261.33
Lithium Chloride	No	No	No	No	No

16. ADDITIONAL INFORMATION

The information provided in this Material Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the Material Safety Data Sheet. Any employer must carefully assess the applicability of any information contained herein in regards to the particular use to which the employer puts the material.

Glossary

ACGIH.....American Conference of Governmental Industrial Hygienists
CAS Number..Chemical Abstracts Service Number
CERCLA.....Comprehensive Environmental Response, Compensation, and Liability Act
DOT.....U.S. Department of Transportation
IARC.....International Agency of Research on Cancer
mppcf.....million particles per cubic foot
N/A.....Not Available
NTP.....National Toxicology Program
OSHA.....Occupational Safety and Health Administration
PEL.....Permissible Exposure Limit
ppm.....parts per million
RCRA.....Resource Conservation and Recovery Act
SARA.....Superfund Amendments and Reauthorization Act
TLV.....Threshold Limit Value
TSCA.....Toxic Substances Control Act

MATERIAL SAFETY DATA SHEET

PLANASLO
CAROLINA BIOLOGICAL

Revised: 05/15/08
Replaces: 11/09/07
Printed: 06/30/09
