

MATERIAL SAFETY DATA SHEET

LITMUS, POWDER
CAROLINA BIOLOGICAL

Revised: 09/14/06
Replaces: 05/09/00
Printed: 08/18/08

1. PRODUCT IDENTIFICATION

Product Name: Litmus, Powder
Product Codes: 87-2718, 87-2720
Size: 25g, 100g
Chemical Name: N/A
CAS No.: 1393-92-6
Formula: N/A
Synonyms: Lichen Blue, Lacmus
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:
Litmus (CAS#1393-92-6)

3. HAZARD IDENTIFICATION

Emergency Overview: May cause irritation to eyes, skin, and mucous membranes. If swallowed, may cause gastrointestinal irritation, nausea, vomiting, diarrhea.

Potential Health Effects:

Eyes: Causes irritation.

Skin: Causes irritation; may be absorbed through skin.

Ingestion: May cause gastrointestinal discomfort.

Inhalation: Causes irritation to respiratory tract.

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

Eyes - Flush with water for at least 15 minutes, raising and lowering eyelids occasionally. Get medical attention if irritation persists.

Skin - Thoroughly wash skin with soap and water. Get medical attention if irritation persists.

Ingestion - If swallowed, if conscious, give water; do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

Inhalation - Remove to fresh air. Give oxygen if breathing is difficult; give artificial respiration if breathing has stopped. Keep person warm and quiet; get medical attention.

5. FIREFIGHTING PROCEDURES

Flash Point (Method Used): N/A. Not normally a fire hazard, but may be combustible at high temperatures.

NFPA Rating: N/A

Extinguisher Media:

Water spray, dry chemical, foam, or carbon dioxide, as suitable for surrounding fire.

Flammable limits in air: 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: N/A

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6. SPILL OR LEAK PROCEDURES

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

Ventilate area of spill. Carefully sweep and containerize material for disposal. Do not create dust. Flush spill area with water.

7. SPECIAL PRECAUTIONS

Precautions to be Taken in Handling or Storing: Avoid breathing dust. Do not ingest. Avoid contact with eyes, skin, or clothing. Store container in a cool, dry, well-ventilated place.

8. SPECIAL PROTECTION INFORMATION

Respiratory Protection(Specify Type):

None needed under normal conditions of use with adequate ventilation.

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 coat, eye wash, and safety shower. Take steps to minimize contact and avoid dust creation.

9. PHYSICAL DATA

Molecular Weight: N/A

Melting Point: N/A

Boiling Point: N/A

Vapor Pressure: Does not apply

Vapor Density(Air=1): Does not apply

Specific Gravity(H2O=1): N/A

Percent Volatile by Volume: 0

Evaporation Rate(H2O=1): N/A

Solubility in Water: Partially soluble.

Appearance and Odor: Blue powder.

10. REACTIVITY DATA

Stability: Stable

Conditions to Avoid: No information found.

Incompatibility(Materials to Avoid): May react with oxidizers.

Hazardous Decomposition Products: N/A

Hazardous Polymerization: Will not occur

11. TOXICITY DATA

Toxicity Data: No information found

Effects of Overexposure:

Acute: See section 3

Chronic: Not listed as causing cancer by NTP, IARC, or OSHA.

Conditions Aggravated by Overexposure: N/A

Target Organs: N/A

Primary Route(s) of Entry: Skin, inhalation

12. ECOLOGICAL DATA

EPA Waste Numbers: None

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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

Not regulated.

15. REGULATORY INFORMATION

EPA TSCA Status: On TSCA Inventory

Hazard Category for SARA Section 311/312 Reporting: None

Product or Components	SARA EHS Sec. 302 TPQ	SARA Sec. 313 Chemicals Name List	Chemical Category	CERCLA Sec. 103 RQ lbs.	RCRA Sec. 261.33
Litmus	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