

LYCOPODIUM  
CAROLINA BIOLOGICAL SUPPLY COMPANY

### 1. PRODUCT DESCRIPTION

Product Name: Lycopodium  
Product Code(s): 87-2831, 87-2833, 87-2835  
Size: 30 g, 100 g, 500 g  
Chemical Name: N/A  
CAS Number: None assigned  
Formula: N/A  
Synonyms: Spores of Lycopodium Clavatum  
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

Principle Hazardous Components: Lycopodium 100%  
TLV and PEL units: None established

### 3. HAZARD IDENTIFICATION

Emergency Overview: Lycopodium powder dispersed in air may constitute a fire hazard.

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

Skin - Thoroughly wash exposed area for at least 15 minutes. Remove contaminated clothing. Launder contaminated clothing before reuse. Get medical attention if irritation persists.

Ingestion - If swallowed, if conscious, give plenty of water. Immediately call a physician or poison control center. Never give anything by mouth to an unconscious person.

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

### 5. FIREFIGHTING PROCEDURES

Flash Point (Method Used): Non-Flammable

NFPA Rating: Health: 0

Fire: 2

Reactivity: 1

Extinguisher Media:

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5. FIREFIGHTING PROCEDURES (Cont.)

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Use dry chemical, CO<sub>2</sub> or appropriate foam.

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: Powder dispersed in air may constitute an explosion hazard.

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6. SPILL OR LEAK PROCEDURES

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

Ventilate area of spill. Clean-up personnel should wear proper protective equipment. Avoid creating dust. Sweep or scoop up and containerize for disposal.

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7. SPECIAL PRECAUTIONS

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Precautions to be Taken in Handling or Storing: Store in a cool, dry place away from strong oxidizers, acids, and alkalis. Store away from fire hazards, flame or spark.

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8. SPECIAL PROTECTION INFORMATION

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Respiratory Protection (Specify Type):

None needed under normal conditions of use with adequate ventilation. NIOSH approved equipment should be worn if PELs are exceeded.

Ventilation:

Local Exhaust: Yes

Mechanical (General): No

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.

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9. PHYSICAL DATA

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Molecular Weight: N/A

Melting Point: Decomposes on heating

Boiling Point: Decomposes

Vapor Pressure: Negligible as solid

Vapor Density (Air=1): N/A

Specific Gravity (H<sub>2</sub>O=1): N/A

Percent Volatile by Volume: N/A

Evaporation Rate (H<sub>2</sub>O=1): N/A

Solubility in Water: Insoluble

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9. PHYSICAL DATA (Cont.)

Appearance and Odor: Fine, light yellow powder with no odor.

10. REACTIVITY DATA

Stability: Stable  
 Conditions to Avoid: Fire or open flame  
 Incompatibility(Materials to Avoid): Strong oxidizers, acids, alkalies  
 Hazardous Decomposition Products: None known  
 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

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

Description: Flammable solid, organic, n.o.s.(lycopodium), 4.1, UN1325, III  
 \*\*\*30g bottle is a small quantity exception.\*\*\*

15. REGULATORY INFORMATION

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

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

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## 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 Services Abstract Number  
CERCLA.....Comprehensive Environmental Response, Compensation, and  
Liability Act  
DOT.....U.S. Department of Transportation  
IARC.....International Agency of Research on Cancer  
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