

MATERIAL SAFETY DATA SHEET

BRILLIANT CRESYL BLUE
CAROLINA BIOLOGICAL

Revised: 15/05/08
Replaces: 10/07/07
Printed: 20/05/08

1. PRODUCT DESCRIPTION

Product Name: Brilliant Cresyl Blue
Product Code(s): 84-8630
Size: 10g
Chemical Name: Brilliant Cresyl Blue
CAS Number: 4712-70-3
Formula: C₁₇H₂₁ClN₄O
Synonyms: None Known
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: Brilliant Cresyl Blue (CAS# 4712-70-3)
100%

TLV and PEL units: None established

3. HAZARD IDENTIFICATION

Emergency Overview: May cause irritation to eyes and skin.

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 and induce vomiting immediately as directed by medical personnel. 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): None

NFPA Rating: Health: 2
Fire: 1
Reactivity: 0

Extinguisher Media:

Use dry chemical, CO₂ or appropriate foam.

Flammable Limits in Air % by Volume: No data available

Autoignition Temperature: No data available

Special Firefighting Procedures:

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

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Unusual Fire and Explosion Hazards: Thermal decomposition produces highly toxic fumes.

6. SPILL OR LEAK PROCEDURES

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.

7. SPECIAL PRECAUTIONS

Precautions to be Taken in Handling or Storing: Keep container tightly closed

at a controlled room temperature.

Other Precautions: Do not breathe dust

8. SPECIAL PROTECTION INFORMATION

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): 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: 332.84

Melting Point: No data available

Boiling Point: No data available

Vapor Pressure: No data available

Vapor Density(Air=1): No data available

Specific Gravity(H2O=1): No data available

Percent Volatile by Volume: No data available

Evaporation Rate(H2O=1): No data available

Solubility in Water: No data available

Appearance and Odor: Dark green crystalline powder

10. REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Heat, dusting

Incompatibility(Materials to Avoid): Oxidizers

Hazardous Decomposition Products: NOx, COx, Chlorine compounds

Hazardous Polymerization: Will not occur

11. TOXICITY DATA

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

Effects of Overexposure:

Acute: See section 3

Chronic: ivn-mus LD50: 32mg/kg

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Conditions Aggravated by Overexposure:
Target Organs: No data available
Primary Route(s) of Entry: Inhalation, ingestion, 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

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

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Brilliant Cresyl
Blue

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

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TSCA.....Toxic Substances Control Act