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.
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
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

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<tr>
<th>Product or Components</th>
<th>SARA Sec. 313</th>
<th>Chemicals</th>
<th>CERCLA</th>
<th>RCRA</th>
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Brilliant Cresyl Blue

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