

MATERIAL SAFETY DATA SHEET

LOADING DYE
CAROLINA BIOLOGICAL

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

1. PRODUCT DESCRIPTION

Product Name: Loading Dye
Product Code(s): 21-8200
Size: 1 ml
Chemical Name: N/A
CAS Number: See section 2
Formula: See section 2
Synonyms: N/A
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: Sucrose(CAS#57-50-1) 28.5%
Bromophenol Blue (CAS#115-39-9) 0.13%
Xylene Cyanol (CAS#2650-17-1) 0.13%

TLV and PEL units:

Sucrose

ACGIH-TLV: 10 mg/m3(TWA)

OSHA-PEL: 15 mg/m3(TWA)(Total dust); 5 mg/m3(TWA)(Respirable fraction)

3. HAZARD IDENTIFICATION

Emergency Overview: Not expected to be hazardous under normal condition of use. Handling care in keeping with safe laboratory practices is recommended.

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. Get medical attention if irritation persists.

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

Ingestion - Wash out mouth thoroughly with water. Seek medical attention immediately if large quantities of this material are ingested.

Inhalation - 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): Noncombustible

NFPA Rating: N/A

Extinguisher Media:

Use dry chemical, CO2 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: 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. 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: Store tightly closed in a cool, dry, well ventilated area. Suitable for storage in any general chemical storage area.

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: N/A

Melting Point: N/A

Boiling Point: N/A

Vapor Pressure: N/A

Vapor Density(Air=1): N/A

Specific Gravity(H2O=1): N/A

Percent Volatile by Volume: N/A

Evaporation Rate(H2O=1): N/A

Solubility in Water: Freely soluble

Appearance and Odor: Dark blue, odorless liquid

10. REACTIVITY DATA

Stability: Stable

Conditions to Avoid: N/A

Incompatibility(Materials to Avoid): Nitric Acid, Sulfuric Acid.

Hazardous Decomposition Products: Burning may produce toxic carbon monoxide.

Hazardous Polymerization: Will not occur

11. TOXICITY DATA

Toxicity Data: orl-rat LD50: 29,700 mg/kg for sucrose.

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: None

Primary Route(s) of Entry: Inhalation, ingestion, eyes, skin

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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		CERCLA Sec. 103 RQ lbs.	RCRA Sec. 261.33
		Name List	Chemical Category		
Sucrose	No	No	No	No	No
Bromophenol Blue	No	No	No	No	No
Xylene Cyanol	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