

SAFETY DATA SHEET

LUXOL FAST BLUE MBSN

Catalog Numbers: R-66

Company Identification: ROWLEY BIOCHEMICAL

10 ELECTRONICS AVENUE

DANVERS, MA 01923

for information, call: 978-739-4883

Emergency Number: 800-424-9300

For CHEMTREC assistance, call: 800-424-9300

1. PRODUCT IDENTIFICATION:

Synonyms: Solvent Blue 38, Direct Blue 86

Molecular Weight: 778.15 **CAS No:** 1328-51-4 **Chemical Formula:** C₃₂H₁₂CuN₈Na₂O₆S₂

2. HAZARDS IDENTIFICATION:

Appearance: Dark Blue Powder **Caution!** The toxicological properties of this material have not been fully investigated. May cause eye and skin irritation. May cause respiratory and digestive tract irritation.

Not a dangerous substance according to GHS.

Pictogram None

Signal Word None

HMIS Classification

Health hazard: 0

Flammability: 0

Physical hazards: 0

NFPA Rating

Health hazard: 0

Fire: 0

Reactivity Hazard: 0

Potential Health Effects

Eyes: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: May cause irritation of the digestive tract.

Inhalation: May cause respiratory tract irritation.

Chronic: No information available.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

<u>Chemical Name</u>	<u>CAS#</u>	<u>Percent</u>	<u>Hazardous</u>
Luxol Fast Blue MBSN	1328-51-4	~90-100%	No

4. FIRST AID MEASURES:

Eyes: Flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.

Skin: Flush skin with plenty of soap and water.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration.

Notes to Physician: Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES:

General information: As in any fire, wear a self-contained breathing apparatus in pressure demand., MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media: Use an agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Flash Point: Not applicable.

Autoignition Temperature: Not applicable.

Explosion Limits, Lower: Not available.

Upper: Not available

6. ACCIDENTAL RELEASE MEASURES:

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Clean up spills immediately, observing precautions in the Protective Equipment Section. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

7. HANDLING AND STORAGE:

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use adequate ventilation. Keep container tightly closed. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Store protected from light.

Storage: Store in a cool, dry, well ventilated area away from incompatible substances. Store in a tightly closed container. Store protected from light.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

<u>Chemical Name</u>	<u>ACGIH</u>	<u>NIOSH</u>	<u>OSHA - Final PEL's</u>
Luxol Fast Blue, MBSN	None listed	None listed	None listed

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN 166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Powder

Appearance: Dark Blue Powder

Odor: No information found.

Solubility: No information found.

Boiling Point: No information found.

Melting Point: No information found.

Vapor Density: No information found.

Vapor Pressure: No information found.

Evaporation Rate: No information found.

Viscosity: No information found

Boiling Point: No information found.

Freezing/Melting Point: No information found.

Decomposition Temperatures: No information found.

10. STABILITY AND REACTIVITY:

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, excess heat.

Incompatibilities with Other Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, oxides of sulfur, carbon dioxide.

Hazardous Polymerization: Has not been reported.

11. TOXICOLOGICAL INFORMATION:

RTECS#: 1328-51-4-UNLISTED

LD50/LC50: Not available.

Carcinogenicity: CAS# 1328-51-4: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology: No information available.

Teratogenicity: No information available.

Reproductive Effects: No information available.

Neurotoxicity: No information available

Mutagenicity: No information available.

Other Studies: No information available.

12. ECOLOGICAL INFORMATION:

Environmental Fate: No information available.

Environmental Toxicity: No data available.

13. DISPOSAL CONSIDERATIONS:

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

14. TRANSPORT REGULATIONS:

Not regulated.

15. REGULATORY INFORMATION:

US FEDERAL

TSCA

CAS# 1328-51-4 is listed on the TSCA inventory.

Health and Safety Reporting List: None of the chemicals are on the health and safety reporting list.

Chemical Test Rule: None of the chemicals in this product are under a chemical test rule.

Section 12b: None of the chemicals are listed under Section 12b.

TSCA Significant New Use Rule: None of the chemicals in this product have a SNUR under TSCA.

SARA: Section 302 (RQ & Section 302 (TPQ) None of the chemicals in this product have a RQ or a TPQ.

Section 313 No chemicals are reportable under Section 313

Clean Air Act This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone Depletors. This material does not contain any Class 2 Ozone Depletors.

Clean Water Act

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA None of the chemicals in this product are considered highly hazardous by OSHA.

State CAS#1328-51-4 is not present on state lists from MA, MN, FL.

California No Significant Risk Level: None of the chemicals in this product are known to cause cancer, birth, or any other reproductive defects.

NJ & PA: Disulfo copper phthalocyanine amine salt CAS: 1328-51-4

European / International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available

Risk Phrases: Not available

Safety Phrases:

S24/25 Avoid contact with eyes and skin.

S37 Wear suitable gloves

WGK (Water Danger/Protection) CAS# 1328-51-4

Canada - DSL/NDSL CAS# 1328-51-4 is listed on Canada's DSL list.

Canada WHMIS WHMIS: Not available

Canadian Ingredient Disclosure List **Exposure Limits**

Section 16 - Additional Information

MSDS Creation Date: 10/15/12

Revision #1. 1/31/14 CF

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