

# SAFETY DATA SHEET

## METHYLENE BLUE, 1% AQUEOUS

### Section 1 - Chemical Product and Company Identification

**SDS Name:** Methylene Blue, 1% Aqueous  
**Catalog Numbers:** A-131-1 , SO-531, MX-103-3  
**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

### Section 2 - Hazards Identification

#### GHS Classifications

#### HEALTH HAZARDS

H315-Skin Corrosion/Skin Irritation: 2  
H320-Eye damage/Irritation: 2B

#### Pictograms or Hazard symbols and Hazard statement.



Warning! Causes skin irritation.  
Causes eye irritation.

#### Precautionary Statement

**P264** Wash thoroughly after handling.  
**P280** Wear protective gloves, clothing, and eye and face protection.  
**P302 + P352** If on skin, wash with plenty of water.  
**P305 + P351 + P338** IF IN EYES, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**P332 + P313** If skin irritation occurs, get medical advice/attention.  
**P337 + P313** If eye irritation persists, get medical advice/attention.  
**P362** Take off contaminated clothing and wash before reuse.

### Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
7220-79-3	Methylene Blue	1.0 w/v
7732-18-5	Water	Balance

#### Section 4 - First Aid Measures

**Eye Exposure:** In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

**Dermal Exposure:** In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes.

**Oral Exposure:** If Swallowing seek immediate medical advice.

**Inhalation Exposure:** If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

#### Section 5 - Fire Fighting Measures

Firefighters should wear proper protective clothing and self contained breathing apparatus with full piece operated in positive pressure mode to prevent contact with skin and eyes.

**Extinguishing Media:** Use water spray, dry chemical powder, or appropriate foam.

**Flash Point:** N/A

**NFPA Rating:** (estimated) Health: 2; Flammability: 0; Instability: 0

#### Section 6 - Accidental Release Measures

**Procedure(s) of Personal Precaution(s):**

Wear protective gear.

**Methods for Cleaning up:** Absorb with sand, earth or vermiculite. Carefully sweep up and containerize for proper disposal.

#### Section 7 - Handling and Storage

Use care when handling. Wash thoroughly after handling. Store capped at room temperature. Keep away from incompatible materials.

#### Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:** Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

**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 EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

## Section 9 - Physical and Chemical Properties

**Physical State:** Liquid

**Appearance:** Blue

**Odor:** none

**Solubility:** Soluble in water

**pH:** N/A

**water.**

**Vapor Pressure:** 2.3 kPa @ 20deg. C

**Vapor Density:** 0.62 (Air=1)

**Evaporation Rate:** N/A

**Viscosity:** N/A

**Boiling Point:** 100 deg. C

## Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under ordinary conditions of use and storage.

**Conditions to Avoid:** Heat.

**Incompatibilities with Other Materials:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides, hydrogen chloride gas.

**Hazardous Polymerization:** Will not occur.

## Section 11 - Toxicological Information

**RTECS#:**

**LD50/LC50:**

CAS# 7220-79-3: not available

**Carcinogenicity:**

CAS# 7220-79-3: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

## Section 12 - Ecological Information

**Ecotoxicity:**

**CAS# 7220-79-3**

**Environmental:** No information available.

**Physical:** No information available.

**Other:** No information available.

Section 13 - Disposal Considerations
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**Appropriate method of disposal of substance or preparation:**

Handled as hazardous waste and sent to an RCRA approved incinerator or disposed in an RCRA approved wasted facility.

Section 14 – Transport Information
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**DOT**

Non-Regulated

Section 15 - Regulatory Information
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Canada Regulatory Information

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

**European/International Regulations**

**European Labeling in Accordance with EC Directives**

**Risk Phrases:**

R22 Harmful if swallowed

R36/37/38 Irritating to eyes, respiratory system and skin

**Safety Phrases:**

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S36 Wear suitable protective clothing.

Section 16 - Additional Information
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**MSDS Creation Date:** 10/15/12

**Revision #1. 8/19/13 CF**

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