

# Safety Data Sheet

## Methyl Violet, 2B

**CAROLINA**<sup>®</sup>  
www.carolina.com

### Section 1 Product Description

**Product Name:** Methyl Violet, 2B  
**Recommended Use:** Science education applications  
**Synonyms:** Basic Violet, C.I. NO. 42535  
**Distributor:** Carolina Biological Supply Company  
2700 York Road, Burlington, NC 27215  
1-800-227-1150  
**Chemical Information:** 800-227-1150 (8am-5pm (ET) M-F)  
**Chemtrec:** 800-424-9300 (Transportation Spill Response 24 hours)

### Section 2 Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

**DANGER**



Toxic if swallowed. Suspected of causing cancer. Very toxic to aquatic life.

**GHS Classification:**

Hazardous to the aquatic environment - Acute Category 1, Carcinogenicity Category 2, Acute Toxicity - Oral Category 3

**Other Safety Precautions:** IF exposed or concerned: Get medical advice/attention.

**Acute Toxicity Dermal Contains** 100 % of the mixture consists of ingredient(s) of unknown toxicity  
**Acute Toxicity Inhalation Gas Contains** 100 % of the mixture consists of ingredient(s) of unknown toxicity  
**Acute Toxicity Inhalation Vapor Contains** 100 % of the mixture consists of ingredient(s) of unknown toxicity  
**Acute Toxicity Inhalation Dust/Mist Contains** 100 % of the mixture consists of ingredient(s) of unknown toxicity

### Section 3 Composition / Information on Ingredients

| <u>Chemical Name</u> | <u>CAS #</u> | <u>%</u> |
|----------------------|--------------|----------|
| Methyl Violet, 2B    | 8004-87-3    | 100      |

### Section 4 First Aid Measures

**Emergency and First Aid Procedures**

**Inhalation:** In case of accident by inhalation: remove casualty to fresh air and keep at rest.  
**Eyes:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
**Skin Contact:** After contact with skin, wash immediately with plenty of water.  
**Ingestion:** IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

### Section 5 Firefighting Procedures

**Extinguishing Media:** Use dry chemical, CO2 or appropriate foam.  
**Fire Fighting Methods and Protection:** Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.  
**Fire and/or Explosion Hazards:** Fire or excessive heat may produce hazardous decomposition products.  
**Hazardous Combustion Products:** Carbon dioxide, Carbon monoxide

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## Section 6

## Spill or Leak Procedures

### Steps to Take in Case Material Is Released or Spilled:

Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits. Avoid contact with material. Avoid creating and inhaling dust. Avoid contact with skin and eyes. Ventilate the area by opening door and/or turning on fans and blowers. Reduce airborne dust and prevent scattering by moistening with water Vacuum or sweep up material and place in a disposal container Contain the discharged material. Do not allow the spilled product to enter public drainage system or open waterways. Collect spillage.

## Section 7

## Handling and Storage

### Handling:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Use personal protective equipment as required. Keep container tightly closed in a cool, well-ventilated place. Keep away from heat. Keep away from ... (incompatible materials to be indicated by the manufacturer). Do not breathe dust. Avoid contact with skin and eyes. Avoid contact with clothing.

### Storage:

Store locked up. Keep container tightly closed in a cool, well-ventilated place.

### Storage Code:

Green - general chemical storage

## Section 8

## Protection Information

**Chemical Name**  
No data available

**ACGIH**  
**(TWA)**  
N/A

**(STEL)**  
N/A

**OSHA PEL**  
**(TWA)**  
N/A

**(STEL)**  
N/A

### Control Parameters

#### Engineering Measures:

No exposure limits exist for the constituents of this product. General room ventilation might be required to maintain operator comfort under normal conditions of use.

#### Personal Protective Equipment (PPE): Respiratory Protection:

Lab coat, apron, eye wash, safety shower.  
No respiratory protection required under normal conditions of use. Respiratory protection may be required in addition to ventilation depending upon conditions of use.

#### Eye Protection:

Wear chemical splash goggles when handling this product. Have an eye wash station available.

#### Skin Protection:

Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

#### Gloves:

Nitrile

## Section 9

## Physical Data

**Formula:** C<sub>24</sub>H<sub>28</sub>N<sub>3</sub>Cl

**Molecular Weight:** N/A

**Appearance:** Green Crystals

**Odor:** No data available

**Odor Threshold:** No data available

**pH:** No data available

**Melting Point:** 137 C

**Boiling Point:** No data available

**Flash Point:** No data available

**Flammable Limits in Air:** N/A

**Vapor Pressure:** N/A

**Evaporation Rate (BuAc=1):** N/A

**Vapor Density (Air=1):** N/A

**Specific Gravity:** N/A

**Solubility in Water:** Soluble

**Log Pow (calculated):** No data available

**Autoignition Temperature:** No data available

**Decomposition Temperature:** No data available

**Viscosity:** No data available

**Percent Volatile by Volume:** N/A

## Section 10

## Reactivity Data

### Reactivity:

No data available

### Chemical Stability:

Stable under normal conditions.

### Conditions to Avoid:

None known.

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**Incompatible Materials:**  
**Hazardous Polymerization:**

Strong oxidizing agents  
Will not occur

## Section 11 Toxicity Data

**Routes of Entry:** Inhalation and ingestion.  
**Symptoms (Acute):** Gastrointestinal,, Respiratory disorders, , Eye disorders  
**Delayed Effects:** No data available

### Acute Toxicity:

**Chemical Name**  
Methyl Violet, 2B

**CAS Number**  
8004-87-3

**Oral LD50**  
Oral LD50 Mouse  
105 mg/kg

**Dermal LD50**  
Not determined

**Inhalation LC50**  
Not determined

### Carcinogenicity:

**Chemical Name**  
No data available

**CAS Number**  
8004-87-3

**IARC**  
Not listed

**NTP**  
Not listed

**OSHA**  
Not listed

### Chronic Effects:

#### Mutagenicity:

No evidence of a mutagenic effect.

#### Teratogenicity:

No evidence of a teratogenic effect (birth defect).

#### Sensitization:

No evidence of a sensitization effect.

#### Reproductive:

No evidence of negative reproductive effects.

#### Target Organ Effects:

##### Acute:

See Section 2

##### Chronic:

Tests on laboratory animals indicate material may produce adverse mutagenic and reproductive effects.

## Section 12 Ecological Data

**Overview:** Severe ecological hazard. This product may be toxic to plants and/or wildlife. Keep out of waterways.

**Mobility:** No data

**Persistence:** No data

**Bioaccumulation:** No data

**Degradability:** No data

**Other Adverse Effects:** No data

**Chemical Name**  
N/A

**CAS Number**  
8004-87-3

**Eco Toxicity**

## Section 13 Disposal Information

**Disposal Methods:** Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.

**Waste Disposal Code(s):** Not Determined

## Section 14 Transport Information

**Ground - DOT Proper Shipping Name:**  
N/A

**Air - IATA Proper Shipping Name:**  
UN number: 3077 Class: 9 Packing group: III Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (C.I. Basic violet 1)

## Section 15 Regulatory Information

**TSCA Status:** All components in this product are on the TSCA Inventory.

**Chemical Name**

**CAS Number**

**§ 313 Name**

**§ 304 RQ**

**CERCLA RQ**

**§ 302 TPQ**

**CAA 112(2) TQ**

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No data available

8004-87-3

No

No

No

No

No

## Section 16

## Additional Information

**Revised: 09/09/2015**

**Replaces: 09/03/2014**

**Printed: 10-29-2015**

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.

### Glossary

|        |                                                                       |      |                                               |
|--------|-----------------------------------------------------------------------|------|-----------------------------------------------|
| ACGIH  | American Conference of Governmental Industrial Hygienists             | NTP  | National Toxicology Program                   |
| CAS    | Chemical Abstract Service Number                                      | OSHA | Occupational Safety and Health Administration |
| CERCLA | Comprehensive Environmental Response, Compensation, and Liability Act | PEL  | Permissible Exposure Limit                    |
| DOT    | U.S. Department of Transportation                                     | ppm  | Parts per million                             |
| IARC   | International Agency for Research on Cancer                           | RCRA | Resource Conservation and Recovery Act        |
| N/A    | Not Available                                                         | SARA | Superfund Amendments and Reauthorization Act  |
|        |                                                                       | TLV  | Threshold Limit Value                         |
|        |                                                                       | TSCA | Toxic Substances Control Act                  |
|        |                                                                       | IDLH | Immediately dangerous to life and health      |