



1121 5<sup>th</sup> Street NW  
Washington, DC 20001  
[www.edvotek.com](http://www.edvotek.com)

## Safety Data Sheet

Version 3  
Revision Date 05/14/2025

### PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Methylene Blue Plus  
**Product Number:**  
**Brand:** Edvotek  
**Supplier:** Edvotek  
1121 5<sup>th</sup> Street NW  
Washington, DC 20001  
**Telephone:** 1-800-338-6835  
or 202-370-1500

**Fax:** 202-370-1501  
**Emergency Phone # (For both supplier and Manufacturer):**  
202-370-1500

### HAZARDS IDENTIFICATION

#### Emergency Overview

**OSHA Hazards:**

No known OSHA hazards.

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

**HMIS Classification:**

Health hazard: 0  
Flammability: 0  
Physical hazard: 0

**NFPA Rating:**

Health hazard: 0  
Fire: 0  
Reactivity Hazard: 0

**Potential Health Effects:**

**Skin:** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes:** May cause eye irritation.

**Ingestion:** May be harmful if swallowed

**COMPOSITION/INFORMATION ON INGREDIENTS****Synonyms:**

3,7-bis(Dimethylamino)phenazathionium chloride

Basic Blue 9

Tetramethylthionine chloride

**Formula:**  $C_{16}H_{18}ClN_3S \cdot 3H_2O$ **Molecular Weight:** 373.90

Chemical name	EC No.	CAS -No	Concentration
Methylene Blue Plus	200-515-2	61-73-4	

**FIRST AID MEASURES****If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult doctor in case of complaints.

**In case of skin contact**

Immediately wash off with soap and plenty of water. Get medical attention if symptoms develop.

**In case of eye contact**

Flush eyes with water as a precaution. Get medical attention immediately if irritation persists.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if symptoms develop.

## FIREFIGHTING MEASURES

### Conditions of flammability

Not flammable or combustible.

### Suitable extinguishing media

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

### Special protective equipment for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

### Hazardous combustion products

May emit toxic and/or irritating fumes under fire conditions.

## ACCIDENTAL RELEASE MEASURES

### Personal precautions

Prevent skin/eye contact. Use personal protective equipment as needed.

### Environmental precautions

Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

### Methods and materials for Containment and cleaning up

Clean up spills immediately. Use absorbent materials if needed and dispose into a chemical waste container.

## HANDLING AND STORAGE

### Precautions for safe handling

Avoid contact with skin and eyes. Good laboratory technique should be used when handling.

### Conditions for safe storage

Keep containers tightly closed in a dry, cool and well-ventilated place.

### Incompatible Products

Strong oxidizing agents

## EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Personal protective equipment

#### Respiratory protection

Use respirators and components

tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Hand protection

Wear protective gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### Eye protection

Avoid eye contact with this material. Wear chemical safety glasses with side shields or chemical safety goggles.

#### Skin and body protection

Use chemical gloves as needed. Use clean protective body covering clothing as needed to minimize contact with clothing and skin.

#### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash and dry hands at the end of workday.

## PHYSICAL AND CHEMICAL PROPERTIES

**Appearance**

Form	liquid
Colour	Blue
Odor	No odor

**Safety data**

pH	no data available
Melting point/freezing point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Autoignition Temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	no data available
Density (water=1)	no data available
Water solubility	no data available
Partition coefficient: n-octanol/water	no data available
Relative vapour Density	no data available
Odour Threshold	no data available
Evaporation rate	no data available

**STABILITY AND REACTIVITY****Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

No further relevant data available.

**Conditions to avoid**

No further relevant data available.

**Materials to avoid**

No further relevant data available

**Hazardous decomposition products**

Carbon oxides. Nitrogen oxides (NO<sub>x</sub>). Sulfur oxides. Hydrogen chloride gas.

## TOXICOLOGICAL INFORMATION

### **Acute toxicity LD/LC50 values**

no data available

### **Serious eye damage/eye irritation**

no data available

### **Respiratory or skin sensitization**

no data available

### **Germ cell mutagenicity**

no data available

### **Skin corrosion/irritation**

no data available

### **Carcinogenicity**

No components of this product are listed by IARC, ACGIH, NTP and OSHA.

### **Reproductive toxicity**

no data available

### **Teratogenicity**

no data available

### **Aspiration hazard**

no data available

### **Synergistic effects**

no data available

## ECOLOGICAL INFORMATION

### Toxicity

no data available

### Persistence and degradability

no data available

### Bioaccumulative potential

no data available

### Mobility in soil

no data available

### PBT and vPvB assessment

no data available

### Other adverse effects

no data available

## TRANSPORT INFORMATION

### Product

Dispose of unused product, residues, and containers according to local, regional, state, and national regulations.

### Contaminated packaging

Dispose of as unused product.

## DISPOSAL CONSIDERATIONS

### DOT (US)

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

## REGULATORY INFORMATION

### OSHA Hazards

No known OSHA hazards

### OSHA Hazards

Target Organ Effect, Harmful by ingestion, Irritant

### SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### SARA 313 Components

**SARA 313:** This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

### SARA 311/312 Hazards

No SARA hazards

## OTHER INFORMATION

For educational use only. Not intended for human or animal diagnostic or therapeutic uses.

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

