



# UNISOURCE CHEMICALS PRIVATE LIMITED

Factory : L-15 MIDC TARAPUR, BOISAR - 401506 DIST. THANE

Tel.: 2205 2250; 2205 0713; Fax: ++91-22-22019990 ;

E-mail: unisourceindia@gmail.com; Web: www.ucplchem.com

## METHYL VIOLET

### MATERIAL SAFETY DATA SHEET

#### **1. PRODUCT IDENTIFICATION:**

**Synonyms:** CI Basic Violet 1; CI 42535; Methyl Violet, Indicator Grade.

**CAS No.:** 8004-87-3

**Molecular Weight:** 393.96

**Chemical Formula:** C<sub>24</sub>H<sub>28</sub>C<sub>1</sub>N<sub>3</sub>

#### **2. COMPOSITION / INFORMATION ON INGREDIENTS:**

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Percent</u>	<u>Hazardous</u>
Methyl Violet	8004-87-3	90-100%	No

#### **3. HAZARDS IDENTIFICATION:**

##### **Emergency Overview**

**Appearance:** Blue green crystals. **WARNING! MAY BE HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO EYES AND SKIN.**

##### **Potential Health Effects**

Information on the human health effects from exposure to this substance is limited.

**Eyes:** May cause eye irritation.

**Skin:** May cause skin irritation.

**Ingestion:** May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

**Inhalation:** No information found, but compound should be handles as a potential health hazard. May cause irritation to the respiratory tract. Symptoms may include coughing, sore throat, labored breathing, and chest pain.

The toxicological properties of this material have not been fully investigated.

**Chronic Exposure:** No information found.

#### **4. FIRST AID MEASURES:**

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

**Skin:** In case of contact, flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

**Ingestion:** If victim is conscious and alert, give 2-4 cupfuls water or milk to drink. **Do Not** induce vomiting. **NEVER** give anything by mouth to an unconscious person. Get medical attention if irritation or symptoms appear.

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**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. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Extinguishing Media:** Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material. Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

**Flash Point:** Not applicable.

**Auto-ignition Temperature:** Not applicable.

**Explosion Limits, Lower:** Not available.

**Upper:** Not available.

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

## **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.

Vacuuming or wet sweeping may be used to avoid dust dispersal. Provide ventilation.

## **7. HANDLING AND STORAGE:**

**Handling:** Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin and clothing. Avoid ingestion and inhalation.

**Storage:** Store in a cool, dry ventilated area. Keep containers tightly closed.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION:**

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with and eyewash facility and safety shower. Use adequate ventilation to keep airborne concentrations low..

### **Exposure Limits:**

<b><u>Chemical Name</u></b>	<b><u>ACGIH</u></b>	<b><u>NIOSH</u></b>	<b><u>OSHA-Final PEL's</u></b>
Methyl Violet	None listed	None listed	None listed

**OSHA Vacated PELs:** Methyl Violet: No OSHA Vacated PELs are listed for this chemical.

### **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, lab coats, apron or coveralls to prevent skin exposure.

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

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

## **9. PHYSICAL AND CHEMICAL PROPERTIES:**

**Appearance:** Blue green crystals.

**Odor:** No information found.

**Solubility:** Soluble in water.

**Specific Gravity:** No information found.

**pH:** No information found.

**% Volatiles by volume @ 21C (70F):**

**Boiling Point:** Not applicable.

**Melting Point:** 137C (279F)

**Vapor Density (Air=1):** No information found.

**Vapor Pressure (mm Hg):** No information found.

**Evaporation Rate (BuAc=1):** No information found.

**Viscosity:** Not available.

**Decomposition Temperature:** No information.

## **10. STABILITY AND REACTIVITY:**

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

**Conditions to Avoid:** Incompatible materials, dust generation, excess heat, strong oxidants.

**Incompatibilities with Other Materials:** Strong oxidizers.

**Hazardous Decomposition Products:** May produce carbon monoxide, carbon dioxide, nitrogen oxides and hydrogen chloride when heated to decomposition.

**Hazardous Polymerization:** Will not occur.

## **11. TOXICOLOGICAL INFORMATION:**

**RTECS#**

CAS# 8004-87-3: gc8425000

**LD50/LC50:**

CAS# 8004-87-3:

Oral, mouse: LD50 = 105 mg/kg

Oral, rat: LD50 = 413 mg/kg

**Carcinogenicity:** CAS# 8004-87-3: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

**Epidemiology:** No information found.

**Teratogenicity:** No information found.

**Reproductive Effects:** Possible tumorigenic effects (see RTECS #GC8425000).

**Mutagenicity:** Mutagenicity data reported.

**Neurotoxicity:** No information found.

## **12. ECOLOGICAL INFORMATION:**

**Environmental Fate:** No information found.

**Environmental Toxicity:** No information found.

## **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# 8004-87-3 is listed on TSCA inventory.

**Health & Safety Reporting List**

None of the chemicals are on the Health & Safety Reporting List.

**Chemical Test Rules**

None of the chemicals in this product are under a Chemical Test Rule.

**Section 12b**

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

### **TSCA Significant New Use Rule**

None of the chemicals in this material have a SNUR under TSCA.

### **SARA**

#### **CECLA Hazardous Substances and corresponding RQs**

None of the chemicals in this material have an RQ.

#### **SARA Section 302 Extremely Hazardous Substances.**

None of the chemicals in this product have a TPQ.

#### **SARA Codes**

CAS# 8004-87-3: immediate.

#### **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 I Ozone depleters. This material does not contain any Class 2 Ozone depleters.

#### **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 Pollutant under the CWA. None of the chemicals in this product are listed as Toxic Pollutant under the CWA.

#### **OSHA**

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

#### **STATE**

CAS#8004-87-3 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

**California No Significant Risk Level:** None of the chemicals in this product are listed.

### **EUROPEAN/INTERNATIONAL REGULATIONS**

#### **European Labeling in Accordance with EC Directives**

##### **Hazard Symbols**

XN

##### **Risk Phrases**

R 22 Harmful if swallowed

##### **Safety Phrases:**

##### **WGK (Water Danger/Protection)**

CAS# 8004-87-3: No information available.

##### **Canada – DSL/NDSL**

CAS#8004-87-3 is listed on Canada's DSL List.

##### **Canada – WHMIS**

CAS# 8004-87-3 No information available.

CAS# 8004-87-3 is not listed on Canada's Ingredient Disclosure List.

##### **Exposure Limits**

### **16. OTHER INFORMATION:**

#### **DISCLAIMER:**

\*\*\*\*\*

**UNISOURCE CHEMICALS PVT.LTD.** provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. **UNISOURCE CHEMICALS PVT.LTD.** makes no representations or warranties, either express or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or to the product to which the information refers. Accordingly, **UNISOURCE CHEMICALS PVT.LTD.** will not be responsible for damages resulting from the use of or reliance upon this information.

\*\*\*\*\*