**Methyl Violet**

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<th>MATERIAL SAFETY DATA SHEET</th>
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## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifiers

**Product name:** Methyl Violet

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Identified uses:** Laboratory chemicals, Industrial & for professional use only.

### 1.3 Details of the supplier of the safety data sheet

**Company:** Central Drug House (P) Ltd
7/28 Vardaan House
New Delhi-10002
INDIA

**Telephone:** +91 11 49404040
**Email:** care@cdhfinechemical.com

### 1.4 Emergency telephone number

**Emergency Phone #:** +91 11 49404040 (9:00am - 6:00 pm) [Office hours]

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]**
- Acute toxicity, Oral (Category 4)
- Carcinogenicity (Category 2)
- Acute aquatic toxicity (Category 1)

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**
- Harmful if swallowed. Very toxic to aquatic organisms. Limited evidence of a carcinogenic effect.

### 2.2 Label elements

**Labelling according Regulation (EC) No 1272/2008 [CLP]**

**Pictogram**

- Signal word: Warning
- Hazard statement(s):
  - H302: Harmful if swallowed.
  - H351: Suspected of causing cancer.
  - H400: Very toxic to aquatic life.

**Precautionary statement(s):**
- P273: Avoid release to the environment.
- P281: Use personal protective equipment as required.
Supplemental Hazard Statements


Hazard symbol(s)

R-phrase(s)
R22 Harmful if swallowed.
R40 Limited evidence of a carcinogenic effect.
R50 Very toxic to aquatic organisms.

S-phrase(s)
S36/37 Wear suitable protective clothing and gloves.
S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.

2.3 Other hazards - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
Formula : C24H27N3.ClH

Component Concentration
C.I. Basic violet 1
CAS-No. 8004-87-3

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Flush eyes with water as a precaution.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

4.3 Indication of any immediate medical attention and special treatment needed
no data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture
Nature of decomposition products not known.

5.3 Advice for firefighters
Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information
no data available
6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections
For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

7.2 Conditions for safe storage, including any incompatibilities
Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end uses
no data available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.2 Exposure controls
Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection
Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove’s outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection
Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties
a) Appearance  Form: solid  
b) Odour  no data available  
c) Odour Threshold  no data available  
d) pH  no data available  
e) Melting point/freezing point  Melting point/range: 137 °C  
f) Initial boiling point and boiling range  no data available  
g) Flash point  no data available  
h) Evaporation rate  no data available  
i) Flammability (solid, gas)  no data available  
j) Upper/lower flammability or explosive limits  no data available  
k) Vapour pressure  no data available  
l) Vapour density  no data available  
m) Relative density  no data available  
n) Water solubility  no data available  
o) Partition coefficient: n-octanol/water  no data available  
p) Autoignition temperature  no data available  
q) Decomposition temperature  no data available  
r) Viscosity  no data available  
s) Explosive properties  no data available  
t) Oxidizing properties  no data available  

9.2 Other safety information  
no data available  

10. STABILITY AND REACTIVITY  

10.1 Reactivity  
no data available  

10.2 Chemical stability  
no data available  

10.3 Possibility of hazardous reactions  
no data available  

10.4 Conditions to avoid  
no data available  

10.5 Incompatible materials  
Strong oxidizing agents  

10.6 Hazardous decomposition products  
Other decomposition products - no data available  

11. TOXICOLOGICAL INFORMATION  

11.1 Information on toxicological effects
Acute toxicity
LD50 Oral - rat - 413 mg/kg

Skin corrosion/irritation
no data available

Serious eye damage/eye irritation
no data available

Respiratory or skin sensitization
no data available

Germ cell mutagenicity
no data available

Carcinogenicity
Limited evidence of a carcinogenic effect.
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity
no data available

Specific target organ toxicity - single exposure
no data available

Specific target organ toxicity - repeated exposure
no data available

Aspiration hazard
no data available

Potential health effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion Harmful if swallowed.
Skin May be harmful if absorbed through skin. May cause skin irritation.
Eyes May cause eye irritation.

Signs and Symptoms of Exposure
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information
RTECS: CX9899550

12. ECOLOGICAL INFORMATION

12.1 Toxicity
Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 0,047 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates LC50 - Daphnia magna (Water flea) - 420 mg/l - 48 h

12.2 Persistence and degradability
no data available

12.3 Bioaccumulative potential
no data available

12.4 Mobility in soil
no data available

12.5 Results of PBT and vPvB assessment
no data available

12.6 Other adverse effects
Very toxic to aquatic life.
no data available
13. **DISPOSAL CONSIDERATIONS**

13.1 Waste treatment methods

**Product**
Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging**
Dispose of as unused product.

14. **TRANSPORT INFORMATION**

14.1 UN number

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14.2 UN proper shipping name

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<td>Environmentally hazardous substance, solid, n.o.s. (C.I. Basic violet 1)</td>
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14.3 Transport hazard class(es)

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14.4 Packaging group

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14.5 Environmental hazards

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<tr>
<td>yes</td>
<td>IMDG Marine pollutant: yes</td>
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14.6 Special precautions for user

**Further information**
EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.

15. **REGULATORY INFORMATION**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

no data available

15.2 Chemical Safety Assessment

no data available

16. **OTHER INFORMATION**

**Further information**
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Central Drug House (P) Ltd and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.cdhfinechemical.com for additional terms and conditions of sale.