

Material Safety Data Sheet

METHYLENE BLUE SOLUTION

IMPORTANT: Read this MSDS before handling and disposing of this product and pass this information on to employees, customers and users of this product. The contents and format of this MSDS are in accordance with EC Commission Directive 91/155EEC.

1. **Identification**
 Chemical Description Methylene Blue Solution

2. **Composition**
 Aqueous solution of Methylene Blue

3. **Hazards Identification**
 Health Hazard Harmful by ingestion. Stains and may irritate eyes and skin.
 Fire & Explosion Hazard May evolve toxic fumes in fire.

4. **First Aid Measures**
 - Eye Contact
 - Irrigate thoroughly with water for at least 10 minutes. If discomfort persists obtain medical attention.
 - Inhalation
 - Remove from exposure.
 - Skin Contact
 - Wash off skin thoroughly with water.
 - Ingestion
 - Wash out mouth thoroughly with water and give plenty of water to drink.

5. **Fire Fighting Measures**
 Extinguishing Media Water Spray

6. **Accidental Release Measures**
 Wear appropriate protective clothing.
 Mix with sand or other absorbent material, transfer to salvage container and arrange removal by disposal company. Wash site with water and detergent.

7. **Handling and Storage**
 Special Requirements None

8. **Exposure controls / Personal Protection (as appropriate to quantities handled)**
 Protective Equipment Goggles or face-shield, rubber or plastic gloves, plastic apron, sleeves and boots if handling large quantities
 Respiratory Protection Not applicable
 Ventilation Not applicable

9. **Physical and Chemical Properties**
 Appearance/Form Liquid, Deep Blue
 Melting Point n/a
 Flash Point (degC) n/a
 Boiling Point n/a
 Auto-ignition Temp. (degC) n/a
 Solubility in water Miscible in all proportions

10. **Stability and Reactivity**
 Stability Stable
 Reaction with water None
 Avoid Contact With Water (no) Acids (no) Bases (no) Oxidisers (yes) Combustibles (no)
 Other Known Hazards May react with oxidising materials.

11. **Toxicological information**
 Toxicity No data
 Carcinogenicity No evidence of carcinogenic properties
 Mutagenicity No evidence of mutagenic effects
 Exposure Limits Not assigned

12. **Ecological Information**
 No hazard expected if handled and disposed of with due care.

13. **Disposal Considerations**
 Dispose of in accordance with local authority requirements or pass to chemical disposal company.

14. **Transportation Information**

UN No	NR	IMDG	NR
IATA	NR	Packing group	
IMO	NR	Packing group	
ADR/RID	NR		

15. **Regulatory Information**
 Symbol None
 Risk Phrases None
 Safety Phrases None
 UK Exposure Limits None assigned

16. Other Information

All information, recommendations and suggestions herein concerning the above product are based upon data believed to be reliable, however, it is the users responsibility to determine the safety, toxicity, and suitability for his/her own use of the product described herein. The information herein should not be construed as being absolutely complete since additional information may be necessary or desirable when special or exceptional circumstances exist or because of applicable laws or regulations.

Disclaimer

The preceding is given in good faith as required under the health and safety at work act 1974, but no warranty is implied or given. The information provided is designed to enable the user to use the product safely. If the information is insufficient to ensure safety in any particular application, contact "the supplier" for further advice before proceeding.

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