

## MATERIAL SAFETY DATA SHEET

### SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Material Name:** Methyl Blue  
**Catalogue Number:** C123  
**Other Names:** Water blue; Aniline blue water soluble; Poirriers blue; Acid blue 93; Cotton blue.  
**Recommended Use:** Used as a biological stain.

**Supplier Name:** ProSciTech  
**Street Address:** 1/11 Carlton Street, Kirwan, Qld. 4817 Australia  
**Telephone Number:** (07) 4773 9444 - 8:30am – 5:00pm, Monday to Friday (excluding Public Holidays)  
**Emergency Contact:** (07) 4773 9444 - 8:30am – 5:00pm, Monday to Friday (excluding Public Holidays)

### SECTION 2 - HAZARDS IDENTIFICATION

**Hazard Classification:**  
 Hazardous according to the criteria for Classifying Hazardous Substances [NOHSC:1008].  
**Hazardous and/or Dangerous Nature:**  
 HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.  
**Risk Phrases:**  
 R22: Harmful if swallowed.  
 R36/37/37: Irritating to eyes, respiratory system and skin.  
**Safety Phrases:**  
 S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S36/37: Wear suitable protective clothing.

*Refer to Section 15 for Poisons Schedule.*

### SECTION 3 - COMPOSITION /INFORMATION ON INGREDIENTS

**Pure Substance (Proportion 100%):**  
**Chemical Identity:** Methyl Blue  
**Common Name(s):** Water blue; Aniline blue water soluble; Poirriers blue; Acid blue 93; Cotton blue.  
**CAS Number:** 28983-56-4

### SECTION 4 - FIRST AID MEASURES

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.  
**Inhalation:** If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.  
**Eye Contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.  
**Skin Contact:** Wash off with soap and plenty of water. Consult a physician.  
**First Aid Facilities:** Eyebath/eyewash, Safety shower & general washroom facilities.  
**Medical Attention & Special Treatment:**  
 Consult a physician. Show this safety data sheet to the doctor in attendance.  
**Additional Information:**  
 Not available.

### SECTION 5 - FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:**  
 Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
**Hazards from Combustion Products:**  
 Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NO<sub>x</sub>), Sulphur oxides, Sodium oxides  
**Precautions for Fire Fighters:**  
 Wear self contained breathing apparatus for fire fighting if necessary.  
**Hazchem Code:** Not available.

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Emergency Procedures:**  
 Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Do not let product enter drains.

**Containment & Clean up:**

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

**SECTION 7 - HANDLING & STORAGE****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. Normal measures for preventive fire protection. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday

**Precautions for Safe Storage:**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

**National Exposure Standards:** No exposure limit allocated.

**Biological Limit Values:** No biological limit allocated.

**Engineering Controls:**

Control airborne concentrations with exhaust ventilation.

**Personal Protective Equipment:**

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Handle with gloves.

Eye protection: Safety glasses with side-shields conforming to EN166

Skin and body protection: Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES**

<b>Appearance:</b>	Solid.
<b>Odour:</b>	Not available.
<b>pH:</b>	Not available.
<b>Vapour pressure (mm of Hg at °C):</b>	Not available.
<b>Vapour density:</b>	Not available.
<b>Boiling point/range (°C):</b>	Not available.
<b>Freezing/melting point (°C):</b>	Not available.
<b>Solubility:</b>	Not available.
<b>Specific gravity or density:</b>	Not available.
<b>Flash Point:</b>	Not available.
<b>Flammable (explosive) limits:</b>	Not available.
<b>Ignition temperature:</b>	Not available.
<b>Formula:</b>	$C_{37}H_{27}N_3Na_2O_9S_3$
<b>Molecular Weight:</b>	799.8 g/mol.

**SECTION 10 - STABILITY AND REACTIVITY**

**Chemical stability:** Stable under normal conditions of use.

**Conditions to avoid:** Contact with incompatible materials.

**Incompatible Materials:** Strong oxidising agents.

**Hazardous Decomposition Products:**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NO<sub>x</sub>), Sulphur oxides, Sodium oxides

**Hazardous Reactions:** Will not occur.

**SECTION 11 - TOXICOLOGICAL INFORMATION****Exposure and Health Effects:**

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

**Ingestion:**

Harmful if swallowed.

**Inhalation:**

May be harmful if inhaled. Causes respiratory tract irritation.

**Eye Contact:**

Causes eye irritation.

**Skin Contact:**

May be harmful if absorbed through skin. Causes skin irritation.

**Human/Animal data:** Not available.

**Carcinogenic Category:** No data available to classify Carcinogenic Category.

**Other Carcinogenic Information:** Not available.

## SECTION 12 – ECOLOGICAL INFORMATION

**Ecotoxicity:** Not available.

**Persistence and degradability:** Not available.

**Mobility:** Not available.

**Additional Information:** Not available.

## SECTION 13 - DISPOSAL CONSIDERATIONS

**Disposal Methods:**

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Special Precautions/Additional Informational:**

Dispose of the contaminated packaging as unused product.

## SECTION 14 - TRANSPORT INFORMATION

**UN Number:** Not regulated.

**UN Proper Shipping Name:** Not regulated.

**Class and Subsidiary risk:** Not regulated.

**Packing Group:** Not regulated.

**Special Precautions for User:** Not available.

**Hazchem Code:** Not available.

## SECTION 15 - REGULATORY INFORMATION

**Poison Schedule Number:** None Allocated.

## SECTION 16 - OTHER INFORMATION

**Date of preparation of MSDS:** October 11

**Comments:**

**List of Publications referenced when creating this MSDS;**

- Hazardous Substances Information System Consolidated Lists: Safe Work Australia.
- APPROVED CRITERIA FOR CLASSIFYING HAZARDOUS SUBSTANCES [NOHSC:1008(2004)] 3rd Edition: National Occupational Health and Safety Commission.
- Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:1997).
- IATA Dangerous Goods Regulations.
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)].
- Australia Standard for the Uniform Scheduling of Drugs and Poisons [SUSPD] (Australian Government Department of Health and Ageing).

*This Material Safety Data Sheet (MSDS) has been prepared in compliance with the National code of Practice for the Preparation of Material Safety Data Sheets 2<sup>nd</sup> Edition [NOHSC:2011(2003)]. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. The information published in this MSDS has been compiled from the publications listed in Section 16: to the best of our ability and knowledge these publications are considered accurate. We reserve the right to revise Material Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.*

**... End of MSDS ...**