

MATERIAL SAFETY DATA SHEET

Methylene Blue

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STATEMENT OF HAZARDOUS NATURE

Hazardous according to criteria of Worksafe Australia

COMPANY DETAILS

Company: ProSciTech
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IDENTIFICATION SECTION

Product Name	Methylene Blue
Other Names	Basic Blue
Product Code	C124, C1241
U.N. Number	None allocated
Dangerous Goods Class and Subsidiary Risk	None allocated
Hazchem Code	None allocated
Poison Schedule	None allocated
Use	General stain for animals, histology

Physical Description and Properties

Appearance	Odourless dark green crystals with a brown lustre
Boiling Point/Melting Point	MP 190°C
Vapour Pressure	No data
Specific Gravity	No data
Flash Point	No data
Flammability Limits	Not determined
Solubility in water	1g in 25ml water

Other Properties

Ingredients

Chemical Name	CAS Number	Proportion
C ₁₆ H ₁₈ ClN ₃ S.3H ₂ O	61-73-4	

HEALTH HAZARD INFORMATION

Health Effects:

Acute

Swallowed: Harmful if swallowed. Well absorbed by body after oral administration. Haemolytic anaemia has occurred after excessive doses

Eye: Causes severe eye irritation

Skin: May cause skin irritation

Inhaled: Not expected to be a health hazard via inhalation

Chronic: No data

First Aid:

Swallowed: If the person is conscious, immediately give large amounts of water. Get medical attention.

Eye: Immediately flush eyes with copious amounts of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention.

Skin: Remove any contaminated clothing. Wash skin with soap or mild detergent and water for at least 15 minutes. Get medical attention if irritation develops or persists.

Inhaled: Remove to fresh air. Get medical attention for any breathing difficulty.

First Aid Facilities: Eye bath, safety shower

Advice to Doctor

PRECAUTIONS FOR USE

Exposure Standards: No exposure standard allocated

Engineering Controls: Use adequate general or local exhaust ventilation to keep fume or dust levels as low as possible

Personal Protection: If airborne concentration is high, use an appropriate respirator or dust mask. For emergencies, a self-contained breathing apparatus may be necessary. Wear protective gloves and clean body-covering clothing. Use safety glasses with sideshields. Contact lenses should not be worn when working with this material.

Flammability: Not flammable under conditions of use

SAFE HANDLING INFORMATION

Storage and Transport: Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage.

Spills and Disposal: Remove all sources of ignition. Ventilate area of leak or spill. Clean-up personnel may require protection from inhalation of dust. Spills: Clean up spills in a manner that does not disperse dust into the air. Use nonsparking tools. Pick up spill for recovery or disposal and place in a closed container. Disposal: Whatever cannot be saved for recovery may be burned in an approved incinerator or disposed of in an approved waste facility.

Fire/Explosion Hazard: Fire is possible at elevated temperatures or by contact with an ignition source. Fine dust dispersed in the air in sufficient concentrations is a potential dust explosion hazard. Use water spray, dry chemical, alcohol foam or carbon dioxide as extinguishing media. Firefighters should wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

OTHER INFORMATION

Incompatibilities (Materials to avoid)	Caustic alkali, dichromates, strong oxidising agents, alkali iodides, strong reducing agents.
Animal Toxicity	Oral rat LD50: 1180mg/kg Mutation references cited. Animal reproductive effects cited.
Data:	