

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Material Name: Crystal violet, 0.5% aqueous stain.
Catalogue Number: ACV5-500.
Other Names: Gentian Violet stain.
Recommended Use: Used in hospitals and microbiology laboratories as a diagnostic staining solution.

Supplier Name: ProSciTech
Street Address: 1/11 Carlton Street, Kirwan, Qld. 4817 Australia
Telephone Number: (07) 4773 9444 **Fax Number:** (07) 4773 2244
Emergency Contact: (07) 4773 9444 8:30am – 5:00pm, Monday to Friday

SECTION 2 - HAZARDS IDENTIFICATION

Hazard Classification: Not classified as hazardous according to criteria of NOHSC.(Below Cut-off)
Hazardous and/or Dangerous Nature: NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.
Risk Phrases: 22 Harmful if swallowed.
 40 Limited evidence of a carcinogenic effect.
 41 Risk of serious eye damage.
 50/53 Very toxic to aquatic organisms may cause long-term effects in the aquatic environment.
Safety Phrases: 2 Keep out of reach of children.
 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
 46 If swallowed, seek medical advice immediately and show this container or label.
 60 This material and its container must be disposed of as hazardous waste.
 61 Avoid release to the environment. Refer to special instructions/Material Safety Data Sheets.

SECTION 3 - COMPOSITION /INFORMATION ON INGREDIENTS

SUBSTANCE: **Chemical Identity:** Crystal violet, 0.5% aqueous stain.
Common Name(s): -
CAS Number(s): -

MIXTURE:

Ingredients	Cas Number(s)	Proportion (%)
Water and other non-hazardous substances	Mixture	99.5
C.I Basic Violet	548-62-9	0.5

SECTION 4 - FIRST AID MEASURES

Swallowed: If swallowed, DO NOT induce vomiting. If victim is conscious give water. If sickness persists transport to hospital or doctor.
Eye: If material is splashed into eyes, immediately, flush with plenty of water for 15 minutes, ensuring eye lids are held open. If irritation persists transport to hospital or doctor.
Skin: If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly with water and soap if available. If irritation persists transport to hospital or doctor.
Inhaled: Move victim to fresh air. Apply resuscitation if victim is not breathing - If trained personnel available administer oxygen if breathing is difficult.
First Aid Facilities: Eyebath/eyewash & Safety shower.
Medical Attention & Special Treatment: Treat symptomatically.
 ADDITIONAL INFORMATION:

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use extinguishing media suitable for surrounding fire situation.
Hazards from Combustion Products:

Decomposes on heating emitting oxides of carbon.

Precautions for Fire Fighters:

If safe to do so, move undamaged containers from fire area. This material is not a flammable or combustible liquid. Fire fighters to wear Self-contained breathing apparatus (SCBA) in confined spaces, in oxygen deficient atmospheres or if exposed to products of decomposition. Full protective clothing is also recommended.

Hazchem Code: 4Z

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Containment and clean up:

Material may be slippery when spilt. Walk cautiously. Ventilate area. Wear protective equipment to prevent skin and eye contact, as outlined under personal protection in this MSDS. Bund area using sand or soil - to prevent run off into drains and waterways. Use absorbent (soil, sand, vermiculite or other inert material). Collect and seal in properly labeled containers for disposal. Remainder of material can be washed to drain with plenty of water.

SECTION 7 - HANDLING & STORAGE

Precautions for Safe Handling:

Wear appropriate protective equipment refer to Section 8. Wash thoroughly after handling.

Conditions for Safe Storage:

Store in a cool place and out of direct sunlight. Store away from sources of heat or ignition. Store away from oxidizing agents. Keep containers closed, when not using the product. Store in original packages as approved by manufacturer.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards: No exposure standard allocated.

Biological Limit Values: No biological limit allocated.

Engineering Controls:

Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate unless the material is heated, reacted or otherwise changed in some type of chemical reaction, then the use of a local exhaust ventilation system is recommended.

Personal Protective Equipment:

CLOTHING: PVC or natural rubber apron or splash suit.

GLOVES: PVC or natural rubber.

EYES: Chemical goggles or face shield to protect eyes.

RESPIRATORY PROTECTION: Avoid breathing of vapours/gases. Select and use respirators in accordance with AS/NZS 1715/1716. The use of a P1 dust mask (disposable) or with replaceable filters is recommended. Filter capacity and respirator type depends on exposure levels and type of contaminant. If entering spaces where the airborne concentration of a contaminant is unknown then the use of a Self-contained breathing apparatus (SCBA) with positive pressure air supply complying with AS/NZS 1715 / 1716, or any other acceptable International Standard is recommended.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance: Dark blue / Purple liquid.

Odour: Not available.

pH: Not available.

Vapour pressure (mm of Hg at 25°C): 23hPa @ 20°C

Vapour density: Not available.

Boiling point/range (°C): 100°C.

Freezing/melting point (°C): 0°C.

Solubility: Soluble in all proportions.

Specific gravity or density: 1 L = 1kg

Flash Point: Not Applicable.

Flammable (explosive) limits: Not Applicable.

Ignition temperature: Not available.

Additional Information:

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Conditions to avoid:	Heat, flames, ignition sources and incompatible materials.
Incompatible Materials:	Strong alkalis, acids, oxidizing agents.
Hazardous Decomposition Products:	Emits smoke and fumes when heated to decomposition. Decomposes on heating emitting oxides of carbon.
Hazardous Reactions:	Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Exposure and Health Effects:

Ingestion:

May cause irritation to mouth, throat and stomach with effects including mucous build up, irritation to the tongue and lips and pains in the stomach.

Inhalation:

May cause irritation to the nose, throat and respiratory system with effects including: Dizziness, headache and possible confusion.

Skin Contact:

May cause irritation to the skin, with effects including; Redness and itchiness.

Eye Contact:

May cause irritation to the eyes, with effects including: tearing, pain, stinging and blurred vision.

Human/Animal data: Not available.

Carcinogenicity: Carcinogen category 3: Substances suspected of having carcinogenic potential.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: May be harmful to aquatic organisms, no further data available.

Persistence and degradability: Not available.

Mobility: Not available.

Additional Information:

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Methods:

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Advise flammable nature. Normally suitable for disposal by approved waste disposal agent.

Special Precautions:

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: 4Z

SECTION 15 - REGULATORY INFORMATION

Poison Schedule Number: None allocated.

SECTION 16 - OTHER INFORMATION

Date of preparation of MSDS: August 10

Comments:

The information published in this Material Safety Data Sheet has been compiled from data in various technical publications. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. We reserve the right to revise material Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.