

# SAFETY DATA SHEET

## Gentian Violet

### 1. IDENTIFICATION

#### Product Identifiers

Product Name:	Gentian Violet
Other Names:	Crystal violet; C.I. 45255, BasicViolet 3. Methyl violet 10B
Product Number(s):	C095, C0951, C0955
CAS Number:	548-62-9

#### Recommended use of the chemical and restriction on use

Laboratory use.  
Biological Stain.

#### Company Details

ProSciTech Pty Ltd  
11 Carlton Street  
KIRWAN QLD 4817  
Australia

(07) 4773 9444  
www.proscitech.com

#### Emergency Contact Details

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## 2. HAZARDS IDENTIFICATION

### Classification of the substance or mixture

Acute toxicity, Oral (Category 4) Serious eye damage (Category 1)

Acute Aquatic toxicity (Category 2A)

Carcinogenicity (Category 2)

Chronic Aquatic Toxicity (Category.

### Label Elements



### Signal Words

Warning

### Hazard Statement(s)

H302: Harmful if swallowed.

H318: Causes serious eye damage.

H351: Suspected of causing cancer.

H410: Very Toxic to aquatic life with long lasting effects.

### Precautionary Statement(s)

P201: obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P264: wash skin thoroughly after handling.

P270: Do not drink, eat, smoke, when using this product.

P273: Avoid release into environment.

P405: Store locked up.

P391: Collect Spillage.

P280: Wear protective gloves/eye & face protection.

P281: Use PPE as required.

P301 + P312 + P330: If Swallowed: Call Poison Center or doctor/physician if you feel unwell. Rinse mouth.

P305 + P351 + P338: If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present & easy to do so. Continue Rinsing.

P308 + P313: If exposed or concerned: contact doctor/physician.

P501: Dispose of contents/container to an approved waste disposal plant.

### Primary route(s) of entry

Not available.

## Human Health

Inhalation:	Harmful by inhalation.
Ingestion:	Harmful if swallowed.
Eyes:	Risk of serious damage to eyes.
Skin:	Harmful in contact with skin.

## Environment

Not available.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS No.	Content (w/w)	Classification
C.I. Basic violet 3	548-62-9	90-100%	-

### 4. FIRST AID MEASURES

#### Ingestion

Do not induce vomiting without medical advice. Rinse with water. Consult physician.

#### Inhalation

Move to fresh air. Consult a physician.

#### Skin Contact

Rinse with plenty of soap & water and seek medical advice.

#### Eye Contact

Rinse immediately with plenty of water and seek medical advice.

#### Other Information

Treat symptomatically and supportively.

### 5. FIREFIGHTING MEASURES

**Suitable extinguishing equipment**

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

**HAZCHEM**

Not available.

**Special protective equipment and precautions for fire fighters**

As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

Use proper PPE as indicated in Section 8.

**Environmental precautions**

Not available.

**Methods and materials for containment and clean up**

Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions.

**7. HANDLING AND STORAGE****Precautions for safe handling**

Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

**Conditions for safe storage**

Store in a tightly closed container cool, dry, well ventilated area away from incompatibles.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Standards

### Engineering controls

Not available.

### Personal protective equipment

#### Eye and face protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

#### Skin protection

Wear protective gloves to prevent skin exposure. 0.11mm thick nitrile.

#### Body protection

Wear appropriate protective clothing to prevent skin exposure.

#### Respiratory protection

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use NIOSH or European Standard EN 149 approved respirators when necessary.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General information

Appearance	Light-dark blue solid
Odour	Not available.
pH	2.5-3.5 at 10g/l at 20°C(68°F)
Vapour Pressure	Not available.
Density	1.190g/cm <sup>3</sup> at 20°C(68°F)
Boiling Point	Not applicable
Melting Point	173°C(343°F)
Solubility	50g/l at 27°C (81°F)

Specific Gravity of Density	Not available.
Flash Point	Not available.
Flammable (Explosive) Limits	Not available.
Ignition Temperature	>190°C(374°F)
Formula	C15H15N3.HCl

## 10. STABILITY AND REACTIVITY

### Reactivity

No further relevant information available.

### Chemical stability

Stable under normal temp. and pressure. Stable under ordinary conditions of use and storage.

### Possibility of hazardous reactions

No further relevant information available.

### Conditions to avoid

Incompatible materials, light.

### Incompatible materials

Strong oxidising agents, strong acids.

## 11. TOXICOLOGICAL INFORMATION

### Acute effects

No further relevant information available.

### Eye contact

No further relevant information available.

### Skin contact

No further relevant information available.

### Ingestion

No further relevant information available.

**Inhalation**

No further relevant information available.

**Toxicity and irritation**

**LD50/LC50:** Oral, mouse: LD50=96mg/kg;

oral, rabbit: LD50=150 mg/kg;

LD50 Intraperitoneal: Rat,8.9mg/kg: Mouse,5.1mg/kg: Rabbit,5mg/kg:

Intraduodenal Rabbit, 160 mg/kg

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

EC50 - Water flea-0.35mg/l-48h : Algae -0.42mg/l-72h

**Persistence and degradability**

Ratio: BOD/ThBOD 0.12%

**Bioaccumulative potential**

10% not readily biodegradable

**Other adverse effects**

Very toxic to aquatic life with long-lasting effects.

**13. DISPOSAL CONSIDERATIONS****General information**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**14. TRANSPORT INFORMATION**

**ADG label required****HAZCHEM**

Not available.

UN Number	UN307
Proper shipping name	C.I. Basic Violet 3
Transport hazard class	9
Packing group	III
Environmental hazard	Environmentally hazardous substance, solid
Special precautions for users	Not regulated.
Additional information	No information available.

**15. REGULATORY INFORMATION****Poisons Schedule Number**

None allocated.

**Other Information**

No further relevant information available.

**16. OTHER INFORMATION****SDS preparation date**

14 November 2017

**Comments**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This Safety Data Sheet (SDS) has been prepared in compliance with the Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice February 2016. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. The information



published in this SDS 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 Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.

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