

Material Safety Data Sheet

CRYSTAL VIOLET (CI42555)

Infosafe™ JXFAM Issue Date November 2007 Status ISSUED by BS: 1.10.9
No. AJAXFC

Classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name CRYSTAL VIOLET (CI42555)
Product Code 10394
Company Name Ajax Finechem (ABN 64 121 927 786)
Address 17/21 Bay Road Taren Point
NSW 2229
Emergency Tel. 1800 638 556 (24 hr) Aust / (NZ): 0800 154 666
Telephone/Fax Number Tel: 1300 884 078
Recommended Use Medicinal; acid-base indicator; denaturant for alcohol; dye for textiles; pigment.

Other Names	Name	Product Code
	GENTIAN VIOLET	3214
	METHYL VIOLET 6B	3241
	CRYSTAL VIOLET (CI42555)	3273
	METHYL VIOLET 6B	10382

Other Information NEW ZEALAND: Ajax Finechem (NZ) Ltd
150B Harris Road, East Tamaki, Auckland
Phone (09) 273 4343
Fax (09) 273 4341
Emergency Advice (NZ): Phone 0800 154 666

2. HAZARDS IDENTIFICATION

Hazard Classification Australia:
Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

New Zealand:

Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

Not classified as Dangerous Goods for transport, according to the New Zealand Standard NZS 5433:1999 Transport of Dangerous Goods on Land.

HSNO Classification:

6.1C - Substance that is acutely toxic.

6.3B - Substance that is irritating to the skin.

8.3A - Substance that is corrosive to ocular tissue.

9.1A - Substance that is very ecotoxic in the aquatic environment.

9.2B - Substance that is toxic in the soil environment.

Risk Phrase(s) R41 Risk of serious damage to eyes.
R20/22 Harmful by inhalation and if swallowed.

Safety Phrase (s) S22 Do not breathe dust.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S24/25 Avoid contact with skin and eyes.
S37/39 Wear suitable gloves and eye/face protection.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Gentian Violet	548-62-9	100 %

4. FIRST AID MEASURES

Inhalation If inhaled, remove to fresh area. Keep at rest until recovered. If symptoms develop seek medical attention.

Ingestion If swallowed do not induce vomiting. Wash out mouth with water. If symptoms develop seek medical attention.

Skin Wash with water and soap. If irritation develops seek medical attention.

Eye If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed off completely. If irritation develops, seek medical attention.

First Aid Facilities Eye wash and normal washroom facilities.

Advice to Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Foam, dry chemical powder, carbon dioxide, water spray or water fog.
Hazards from Combustion Products	Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide, hydrogen chloride and oxides of nitrogen.
Specific Hazards	Combustible solid; will decompose and burn under fire conditions. The finely divided dust, in sufficient quantity, may form flammable/explosive mixtures with air. Dust clouds may present an explosion hazard in the presence of an ignition source. To prevent static discharge all equipment must be adequately grounded.
Precautions in connection with Fire	Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing to prevent exposure to vapours, fumes or products of combustion. Water spray may be used to cool down heat-exposed containers. If safe to do so, remove containers from path of fire.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Wear appropriate personal protective equipment and clothing to prevent inhalation and eye exposure. Sweep up material avoiding dust generation or where possible use dustless methods such as vacuum to collect the material and transfer into suitable labelled containers for subsequent recycling or disposal. If contamination of sewers or waterways occurs inform the local water authorities and EPA in accordance with local regulations. Dispose of waste according to applicable local and national regulations.
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7. HANDLING AND STORAGE

Precautions for Safe Handling	Wear appropriate protective equipment to prevent inhalation and eye exposure. Use in designated areas with adequate ventilation. Prevent the creation of dust in the work atmosphere. Keep containers closed when not in use. Practice good personal hygiene, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities.
Conditions for Safe Storage	Store in a cool, dry, well-ventilated area away from heat, sources of ignition and oxidising agents. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure	No exposure standards have been established for the mixture by the Australian National Occupational Health & Safety Commission
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Standards	(NOHSC) or the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, over-exposure to some chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels. The exposure limits for dust not otherwise specified are as follows: Australian National Occupational Health And Safety Commission (NOHSC) exposure standards: Dust TWA 10 mg/m ³ (inspirable fraction) New Zealand Workplace Exposure Standards (OSH): Dust TWA 10 mg/m ³ (inspirable fraction); TWA 3 mg/m ³ (respirable fraction) TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.
Biological Limit Values	No biological limit allocated.
Engineering Controls	Good ventilation adequate to maintain the concentration below exposure standards is required. Where dust is generated, a local exhaust ventilation system, drawing dust away from workers' breathing zone, should be used.
Respiratory Protection	Where ventilation is inadequate, the use of an Air Purifying Respirator with a particulate/dust filter complying with AS/NZS 1715 and AS/NZS 1716 is recommended.
Eye Protection	Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
Hand Protection	Wear laminated film or other suitable, impervious gloves conforming to AS/NZS 2161: Occupational protective gloves.
Body Protection	Suitable protective clothing should be worn e.g. cotton overalls buttoned at neck and wrist.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Green powder or crystals.
Melting Point	205°C (decomposes)
Boiling Point	Not available
Solubility in Water	Soluble
Specific Gravity	Not available
Vapour Pressure	Negligible
Flash Point	Not applicable
Flammability	Combustible solid.

Auto-Ignition Temperature Not available

Flammable Limits - Lower Not available

Flammable Limits - Upper Not available

10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal conditions of handling and storage.

Incompatible Materials Strong oxidising agents.

Hazardous Decomposition Products Thermal decomposition products include carbon monoxide, carbon dioxide, hydrogen chloride and oxides of nitrogen.

Hazardous Polymerization Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information For Gentian Violet:
LD50 (Oral, Rat): 420 mg/kg
LD50 (Oral, Mouse): 96 mg/kg
LD50 (Oral, Rabbit): 150 mg/kg
This product contains a cationic dye. Similar dyes have caused permanent injury to the cornea and conjunctiva in documented exposure cases with human or rabbit eyes.

Inhalation Harmful by inhalation. Inhalation of dust may irritate the respiratory system.

Ingestion Harmful if swallowed. Ingestion of this product may irritate the gastric tract, causing nausea and vomiting.

Skin May be irritating to skin. Skin contact may cause redness and itchiness.

Eye Risk of serious damage to eyes. Eye contact can cause severe irritation, tearing, stinging, blurred vision and redness. It can cause permanent eye injury if not washed off immediately.

Chronic Effects Prolonged or repeated exposure to dust by inhalation may lead to respiratory disorders.

12. ECOLOGICAL INFORMATION

Ecotoxicity This substance is very ecotoxic in the aquatic environment.

**Persistence /
Degradability** Not available

Mobility Not available

**Bioaccumulative
Potential** Not available

**Environment
Protection** Do not allow product to enter drains, waterways or sewers.

13. DISPOSAL CONSIDERATIONS

**Disposal
Considerations** The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

14. TRANSPORT INFORMATION

**Transport
Information** Australia:
Not classified as Dangerous Goods, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

New Zealand:
Not classified as Dangerous Goods for transport according to the NZS 5433:1999 Transport of Dangerous Goods on Land.

15. REGULATORY INFORMATION

**Regulatory
Information** Australia:
Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.
Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

**Poisons
Schedule** Not Scheduled

**National and or
International
Regulatory
Information** New Zealand:
Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.
ERMA Approval Code: HSR003684; C.I. Basic Violet 3.

Hazard Category Harmful, Irritant

**AICS
(Australia)** All constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

**Date of
preparation or**

**last revision
of MSDS** MSDS Reviewed: November 2007
Supersedes: November 2002

**Contact
Person/Point** For further information contact Tom Sadler on 1300 884 078
during business hours. In case of emergency call Australia 1800
638 556/ New Zealand 0800 154 666.

IMPORTANT ADVICE: This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Ajax Finechem Pty Ltd. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

**Empirical
Formula &
Structural
Formula** C25H30N3.Cl

End of MSDS

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