

Chem Alert Report

Manufacturer's Material Safety Data Sheet

Product Name **CRYSTAL VIOLET (FRONINE)**

Ingredient	Conc.	CAS No.
WATER	>60%	7732-18-5
ETHANOL	10 - 29%	64-17-5
CRYSTAL VIOLET (METHYL VIOLET)	<10%	548-62-9
AMMONIUM OXALATE	<1%	1113-38-8

Synonyms NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA
CRYSTAL VIOLET SOLUTION.

Appearance PURPLE LIQUID

Odour CHARACTERISTIC ALCOHOL ODOUR

Use(s) LABORATORY REAGENT, INDICATOR.

Supplier FRONINE LABORATORY SUPPLIES Ph: 02 9627 3600 Emerg. Ph: 13 11 26

Stock No. 406.

Poison Sched None Allocated

Hazchem None Allocated

UN No. None Allocated

D.G Class None Allocated

Pkg Group None Allocated

EPG None Allocated

Sub/Tert Risk None Allocated

HEALTH HAZARDS

Health Hazard Summary Moderate toxicity - severe eye irritant. Narcotic at high concentrations. This product has the potential to cause adverse health effects with over exposure. Use safe work practices to avoid eye or skin contact and vapour inhalation. Chronic over exposure may cause kidney and liver damage.

Eye Severe irritant. Exposure may result in lacrimation, pain, redness, conjunctivitis and corneal burns with possible permanent damage.

Inhalation Irritant. Inhalation may cause irritation to the respiratory system, nose and throat irritation, coughing, and headache. Over exposure may result in nausea, dizziness and drowsiness.

Skin Irritant. Contact may result in drying and defatting of the skin which may result in dermatitis.

Ingestion Moderate toxicity. Ingestion may result in gastrointestinal irritation, nausea, vomiting, headache and weakness. Large doses may result in dizziness, drowsiness, unconsciousness and coma. Aspiration may result in chemical pneumonitis and pulmonary oedema.

PRECAUTIONS

Flammability Combustible. May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition.

Reactivity Incompatible with oxidising agents (eg. hypochlorites, peroxides), acids (eg. sulfuric acid), strong alkalis (eg. hydroxides), heat and ignition sources.

Ventilation Do not inhale vapours. Use in well ventilated areas. In poorly ventilated areas, mechanical explosion proof extraction ventilation is recommended.

PERSONAL PROTECTIVE EQUIPMENT

PPE Wear splash-proof goggles and nitrile or neoprene gloves. When using large quantities or where heavy contamination is likely, wear coveralls. Where an inhalation risk exists, wear a Type A (Organic vapour) Respirator.



Colour
Rating
AMBER

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FIRST AID

- Eye** Hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre, or for at least 15 minutes.
- Inhalation** Leave area of exposure. If symptoms develop, seek urgent medical attention. If assisting a victim, avoid becoming a casualty, wear a Type A (Organic vapour) respirator (or Air-line respirator in poorly ventilated areas). If victim not breathing, apply artificial respiration and seek urgent medical attention.
- Skin** Remove contaminated clothing and gently flush affected areas with water. Seek medical attention if irritation develops. Launder clothing before reuse.
- Ingestion** For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor. If swallowed, do not induce vomiting.

SAFE HANDLING

- Storage** Store tightly sealed in cool, dry, well ventilated area, removed from oxidising agents, acids, alkalis, direct sunlight, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should be bunded and have appropriate fire protection and ventilation systems.
- Waste Disposal** Wearing the protective equipment outlined, ensure all ignition sources are extinguished. For small quantities, absorb on paper, sand or similar and evaporate under a fume cupboard or open area. For large volumes, atomise into incinerator (mixing with more flammable solvent if required) or recycle by gravimetric separation, distilling & reusing. Contact the manufacturer for additional information if required.
- Transport** Not regulated for transport purposes.

EMERGENCY

- Spillage** If spilt (bulk), contact emergency services if appropriate. Wear splash-proof goggles, neoprene/nitrile/viton gloves, a Type A (Organic vapour) respirator (where inhalation risk exists), coveralls, an apron and boots. Ventilate and clear area of all unprotected personnel. Absorb spill with sand or similar and place in clean, sealed containers for disposal.
- Fire and Explosion** Combustible. Evacuate area and contact emergency services. Toxic gases (hydrocarbons, carbon oxides) may be evolved when heated. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.
- Extinguishing** Dry agent, carbon dioxide or foam. Prevent contamination of drains or waterways. Absorb runoff with sand or similar.

PHYSICAL AND CHEMICAL PROPERTIES

Flammability: CLASS C1 COMBUSTIBLE
Boiling Point: NOT AVAILABLE
Exposure Standard: 1000 ppm (Ethanol)
pH: NOT AVAILABLE
Specific Gravity: 1 (Approximately)
Vapour Pressure: NOT AVAILABLE
Lower Explosion Limit: NOT AVAILABLE

Flash Point: > 61 C
Melting Point: NOT AVAILABLE
Evaporation Rate: NOT AVAILABLE
% Volatiles: > 95 %
Solubility (water): SOLUBLE
Upper Explosion Limit: NOT AVAILABLE