

Product Name **CARBOL FUCHSIN DILUTE**

| Ingredient | Conc. | CAS No. |
|------------|---------------|---------------|
| PHENOL | <1% | 108-95-2 |
| WATER | >60% | 7732-18-5 |
| ETHANOL | <1% | 64-17-5 |
| ADDITIVES | Not Available | Not Available |

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

Synonyms DILUTE CARBOL FUCHSIN, FRONINE CARBOL FUCHSIN DILUTE, FUCHSIN CARBOL DILUTE.

Appearance DARK RED LIQUID

Odour SLIGHT ALCOHOLIC ODOUR

Use(s) LABORATORY REAGENT, CHEMICAL REAGENT, INDICATOR.

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

Stock No. 450.

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 Low to moderate toxicity - irritant. Use safe work practices to avoid eye or skin contact. Over exposure may result in vomiting, diarrhoea, lack of appetite and skin rash - discolouration. Due to the low vapour pressure of this product, an inhalation hazard is not anticipated with normal use.

Eye Irritant. Exposure may result in lacrimation, irritation, pain and redness.

Inhalation Low irritant. Over exposure at high levels may result in mucous membrane irritation of the nose and throat with coughing.

Skin Irritant. Prolonged or repeated contact may result in whitening of skin, not causing pain, and irritation.

Ingestion Low to moderate toxicity. Ingestion may result in nausea, vomiting, gastrointestinal irritation and diarrhoea.

PRECAUTIONS

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

Reactivity Incompatible with oxidising agents (eg. hypochlorites, peroxides) and acids (eg. nitric acid). May attack some forms of rubber & plastic coatings. When hot may attack aluminium, magnesium, lead and zinc.

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 impervious coveralls, splash-proof goggles and butyl or neoprene gloves. When using large quantities or where heavy contamination is likely, wear a PVC apron and rubber boots. Where an inhalation risk exists, wear a Type A (Organic vapour) Respirator. At high vapour levels, wear an Air-line respirator.



Colour
Rating
AMBER

Chem Alert Report

Manufacturer's Material Safety Data Sheet

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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** Wearing gloves - Remove contaminated clothing and wash thoroughly with soap and water, then methylated spirits. 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 in cool, dry, well ventilated area, removed from oxidising agents (eg. hypochlorites), acids (sulfuric acid), heat sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Large storage areas should have appropriate ventilation systems.
- Waste Disposal** Solutions of 1% can be steam stripped, distilled or put over activated carbon to recover phenol economically. Small quantities of phenol solution can be absorbed using excess vermiculite or sodium bicarbonate where it can be disposed to an approved landfill or incinerated. Contact the manufacturer for additional information.
- Transport** Not regulated for transport purposes.

EMERGENCY

- Spillage** If spilt (bulk), contact emergency services if appropriate. Wear butyl/neoprene gloves, a Type A (Organic vapour) respirator (or an Air-line respirator in confined areas), impervious coveralls and boots. Ventilate and clear area of all unprotected personnel. Eliminate all heat and ignition sources. Cover with sand or similar and place in clean containers for disposal. Prevent contamination of drains or waterways.
- Environment** WATER: If released to water phenol is toxic to fish, microorganisms & plants. Biodegrades in water (half-life ~hrs to days). Not expected to bioconcentrate in aquatic organisms. SOIL: Rapidly biodegrades (half life <5 days) except in spills of high concentrations which destroy degrading microbial populations). ATMOSPHERE: Reacts with hydroxyl radicals causing decomposition (half-life ~15 hours).
- Fire and Explosion** Non flammable. If product is present in a fire, toxic gases may be evolved. Evacuate area and contact emergency services. 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** Non flammable. Prevent contamination of drains or waterways, absorb runoff with sand or similar.

PHYSICAL AND CHEMICAL PROPERTIES

Flammability: NON FLAMMABLE
Boiling Point: 100 C
Exposure Standard: 1 ppm (Phenol)
pH: NOT AVAILABLE
Specific Gravity: 1 (Approximately)
Vapour Pressure: 18 mm Hg @ 20C
Lower Explosion Limit: NOT RELEVANT

Flash Point: NOT RELEVANT
Melting Point: 0 C
Evaporation Rate: AS FOR WATER
% Volatiles: > 95 %
Solubility (water): SOLUBLE
Upper Explosion Limit: NOT RELEVANT