

Product Name **CARBOL FUCHSIN CONCENTRATED 2% [FRONINE LAB SUPPLIES].**

Ingredient	Conc.	CAS No.
PHENOL	<10%	108-95-2
WATER	>60%	7732-18-5
ETHANOL	<10%	64-17-5
ADDITIVES	Not Available	Not Available

Shipping CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA
PHENOL SOLUTION

Synonyms CARBOL FUCHSIN CONCENTRATED 2% [FRONINE LAB SUPPLIES], CONCENTRATED CARBOL FUCHSIN, FRONINE CARBOL FUCHSIN CONCENTRATED, FUCHSIN CARBOL CONCENTRATED, CARBOL FUCHSIN CON

Appearance DARK RED LIQUID

Odour ALCOHOLIC ODOUR

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

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

Stock No. 361.

Poison Sched 6
Pkg Group III

Hazchem 2X
EPG None Allocated

UN No. 2821

D.G Class 6.1
Sub/Tert Risk None Allocated

HEALTH HAZARDS

Health Hazard Summary Moderate toxicity - irritant. Use safe work practices to avoid eye or skin contact. Due to the low vapour pressure of this product, an inhalation hazard is not anticipated with normal use. Chronic or prolonged over exposure may result in vomiting, diarrhoea, lack of appetite, dark urine, skin rashes - discolouration, kidney, liver and lung damage.

Eye Irritant. Contact may result in lacrimation, irritation, pain, redness and conjunctivitis. Prolonged contact - corneal burns and possible permanent damage.

Inhalation Irritant. Over exposure to vapours or mists may result in upper respiratory tract irritation, nausea and headache. Due to the low vapour pressure of this product an inhalation hazard is not anticipated unless sprayed.

Skin Irritant - toxic. Prolonged or repeated contact may result in whitening of skin, not causing pain and delayed burns. Toxic effects may occur via skin absorption.

Ingestion Moderate toxicity. Large doses may result in liver and kidney damage, dark urine, bloody diarrhoea, unconsciousness and convulsions. Aspiration into the lungs may cause 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) 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 coveralls, splash-proof goggles and butyl or neoprene gloves. Where an inhalation risk exists, wear a Type A (Organic vapour) Respirator.



Colour
Rating
AMBER

Chem Alert Report

Manufacturer's Material Safety Data Sheet

Product Name **CARBOL FUCHSIN CONCENTRATED 2% [FRONINE LAB SUPPLIES].**

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. Low concentrations can be biodegraded by sewage organisms but high concentrations will kill the microorganisms. May be incinerated. Contact the manufacturer for further information if large disposing of large volumes.
- Transport** Class 6.1 Toxic. Do not transport with chemicals of class; 1 (Explosives), 3 (Flammable liquids), 5.1 (Oxidising agents), 5.2 (Organic peroxides), 8 (Corrosives - where the Corrosive is an acid and the Toxic is a cyanide) and foodstuffs.

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** 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: COMBUSTIBLE	Flash Point: NOT AVAILABLE
Boiling Point: NOT AVAILABLE	Melting Point: NOT AVAILABLE
Exposure Standard: 1 ppm (Phenol)	Evaporation Rate: AS FOR WATER
pH: NOT AVAILABLE	% Volatiles: > 90 %
Specific Gravity: 1 (Approximately)	Solubility (water): SOLUBLE
Vapour Pressure: 18 mm Hg @ 20C	Upper Explosion Limit: NOT AVAILABLE
Lower Explosion Limit: 3.3 % (Ethanol)	

AMBER

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