

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Material Name: Carbol fuchsin, strong stain
Catalogue Number: ACF-500
Other Names: Kinyoun's Carbol Fuchsin stain; Carbol Fuchsin Kinyoun's stain.
Recommended Use: For use in Hospital Pathology laboratories only as a microbiology stain.

Supplier Name: ProSciTech
Street Address: 1/11 Carlton Street, Kirwan, Qld. 4817 Australia
Telephone Number: (07) 4773 9444 - 8:30am – 5:00pm, Monday to Friday (excluding Public Holidays)
Emergency Contact: (07) 4773 9444 - 8:30am – 5:00pm, Monday to Friday (excluding Public Holidays)

SECTION 2 - HAZARDS IDENTIFICATION

Hazard Classification:

Not classified as hazardous according to criteria for Classifying Hazardous Substances [NOHSC:1008].

Hazardous and/or Dangerous Nature:

HAZARDOUS SUBSTANCE. DANGEROUS GOODS.

Risk Phrases:

R24/25: Toxic in contact with skin and if swallowed.

R34: Causes burns.

R40: Possible risk of irreversible effects

Safety Phrases:

S1/2: Keep locked up and out of reach of children.

S7: Keep container tightly closed.

S28: After contact with skin, wash immediately with plenty of detergent and water

S36/37: Wear suitable protective clothing and gloves.

S45: In case of accident or if you feel unwell, contact a doctor or Poisons Information Centre immediately and show this container or label.

Refer to Section 15 for Poisons Schedule.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Mixture Substance:

<i>Ingredients</i>	<i>Cas Number(s)</i>	<i>Proportion (%)</i>
PARAROSANILINE CHLORIDE	569-61-9	5
PHENOL	108-95-2	8
ETHANOL	64-17-5	5
WATER AND OTHER NON-HAZARDOUS SUBSTANCES: All other ingredients not hazardous according to EU Criteria.	-	78

SECTION 4 - FIRST AID MEASURES

Ingestion: If swallowed, DO NOT induce vomiting. Give 3 to 4 glasses of water to drink. Seek urgent medical assistance.

Inhalation: Remove victim to fresh air. Do not use mouth-to-mouth method if victim inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Administer oxygen if breathing is difficult.

Eye Contact: If material is splashed into eyes, flush with plenty of water for at least 15 minutes, ensuring eye lids are held open. Immediately transport to hospital or doctor.

Skin Contact: If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly soap and water. Urgently transport to hospital or doctor.
 Additional information for Skin
 If product contains less than 25 % phenol, then remove any contaminated clothing, wash thoroughly with soap and water, then methylated spirits. If product contains greater than 25 % phenol, then remove any contaminated clothing, swab repeatedly with glycerin, PEG (polyethylene glycol) or PEG - methylated spirits mixture or if necessary or available methylated spirits alone.

First Aid Facilities: Eyebath/eyewash, Safety shower & general washroom facilities.

Medical Attention & Special Treatment:

Treat symptomatically.

Additional Information:

In case of poisoning, contact Poisons Information Centre

In Australia call Tel: 131126

In New Zealand Tel: 034747000

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Use dry chemical, carbon dioxide, foam or water spray.

Hazards from Combustion Products:

Fire or heat will produce irritating, toxic and/or corrosive gases.

Precautions for Fire Fighters:

Self-contained breathing apparatus (SCBA) required for fire-fighting personnel. If possible to do so safely, shut off fuel to fire. Use water spray to spray to cool fire-exposed surfaces and to protect personnel.

Material does not burn.

Fire or heat will produce irritating, toxic and/or corrosive gases.

Runoff may pollute waterways, drains or sewers.

Hazchem Code: 2X

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Keep unnecessary people away; Isolate hazard area and deny entry. Stay upwind; Keep out of low areas. Do not walk or touch spilt material unless wearing personal protection as outlined under MSDS.

Containment & Clean up:

Shut off ignition sources, no flares, smoking or flames in hazard area. Stop leak if you can do it without risk.

Water spray may reduce vapour.

SMALL SPILLS: Take up with sand, dirt or vermiculite. DO NOT use sawdust. Use non-sparking tools. Place into labeled drum(s) for later disposal.

LARGE SPILLS: Notify Emergency Services (Police or Fire Brigade). Tell them exact location, nature, hazards, quantities, type of vehicle and any other information that would be helpful. Contain spill. Remove all ignition sources and safely stop flow of spill. Bund area. Trained personnel should wear Personal Protective equipment as highlighted in this MSDS. Blanket the spill with foam or use water fog to disperse vapour clouds. Consult an expert regarding disposal of this product.

SECTION 7 - HANDLING & STORAGE

Precautions for Safe Handling:

A supplied air respirator or a Self-Contained Breathing Apparatus (SCBA) for emergencies should be available and checked regularly. For further information please refer to the Engineering Controls of this MSDS.

Precautions for Safe Storage:

Store in a cool place and out of direct sunlight. Store away from sources of heat or ignition, strong alkalis, acids, combustibles and oxidizing agents. All equipment must be earthed. Store in original packages as approved by manufacturer. Check all fittings, valves, reticulation (piping) and any ancillary equipment for leaks.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards: No exposure standards are available for this product, however, the following exposure standards have been assigned by [NOHSC] to the following components of the product:

PARAROSANILINE CHLORIDE

No Exposure details available

PHENOL

(Worksafe Australia)

[TWA]1 ppm 4 mg/m³

Notices: Sk

References: A

(ACGIH)

[TWA]5 ppm 19 mg/m³

Carcinogen Category: A4

ETHANOL
 (Worksafe Australia)
 [TWA]1,000 ppm 1,880 mg/m³
 References: H
 (ACGIH)
 [TWA]1,000 ppm 1,880 mg/m³

WATER AND OTHER NON-HAZARDOUS SUBSTANCES

No Exposure details available

No biological limit allocated.

Biological Limit Values:

Engineering Controls:

Toxic material. Single significant exposure may cause death. Maintain adequate ventilation at all times. Prevent accumulation of gas(es) in hollows or sumps. Eliminate any sources of ignition. DO NOT enter room unless monitored by another person (ie buddy-buddy system).

Personal Protective Equipment:

CLOTHING: Nitrile or neoprene apron.

GLOVES: Nitrile or neoprene.

EYES: Chemical goggles or face shield to protect eyes.

RESPIRATORY PROTECTION: Avoid breathing of vapours. Select and use respirators in accordance with AS/NZS 1715/1716. When vapours approach the exposure standards then the use of a half-face organic vapour respirator with dust/mist filter is recommended. When vapours exceed the exposure standards, the use of an positive pressure demand self-contained or airline breathing apparatus supplied air respirator complying with the requirements of AS/NZS 1715 is recommended. Filter capacity and respirator type depends on exposure levels. If entering spaces where the airborne concentration of a contaminant is unknown then the use of a Self-contained breathing apparatus (SCBA) with positive pressure air supply complying with AS/NZS 1715 / 1716, or any other acceptable International Standard is recommended.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Deep red liquid
Odour:	Not available.
pH:	Not available.
Vapour pressure (mm of Hg at °C):	32hPa at 20°C
Vapour density:	Not available.
Boiling point/range (°C):	100°C
Freezing/melting point (°C):	0°C
Solubility:	Soluble in all proportions
Specific gravity or density:	1L = 1.05kg
Flash Point:	Not available.
Flammable (explosive) limits:	Not available.
Ignition temperature:	Not available.
Additional Information:	Spillage may leave permanent staining

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Conditions to avoid:	Heat, flames, ignition sources and incompatible materials.
Incompatible Materials:	Strong alkalis, acids, nitrates and oxidizing agents.
Hazardous Decomposition Products:	
	Emits acrid smoke and fumes when heated to decomposition.
Hazardous Reactions:	Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Exposure and Health Effects:

Prolonged or repeated skin contact may lead to dermatitis.

Prolonged or repeated exposure may lead to irreversible damage to health.

Prolonged or repeated skin contact will lead to necrosis (death) of the skin.

Ingestion:

Toxic if swallowed. Will cause burns to the mouth, mucous membranes, throat, oesophagus and stomach. If sufficient quantities are ingested (swallowed) death may occur.

Inhalation:

Harmful if inhaled. Mists or vapours will cause severe irritation to the nose, throat and respiratory system with effects including: Dizziness, headache, coughing, loss of co-ordination, tightening of the chest, chest pains and

possible pulmonary oedema.

Eye Contact:

Will cause burns to the eyes with effects including: Pain, tearing, conjunctivitis and if duration of exposure is long enough, blindness will occur.

Skin Contact:

Toxic by skin contact. Will cause burns to the skin, with effects including; Redness, blistering, localised pain and dermatitis.

Human/Animal data:

Oral (rat):728 mg/kg/2Y continuous feeding.

Toxic Effects: Tumorigenic according to the criteria of the Registry of Toxic Effects of Chemical Substances (RTECS), particularly of liver and of the thyroid.
Toxicological Data: Non-Lethal Irreversible Effects After A Single Exposure - This substance is capable of causing serious irreversible effects after a single exposure and is determined to be a hazardous substance. Such irreversible effects can include central nervous system effects, kidney necrosis liver lesions, anaemia or paralysis.

Carcinogenic Category:

Group 3: Not classifiable as to its carcinogenicity to humans.

Other Carcinogenic

Information:

PARAROSANILINE CHLORIDE has been classified as a Category 3 Carcinogen (Worksafe). Substances suspected of having carcinogenic potential are those substances which have possible carcinogenic effects on humans but in respect of which the available information is not adequate for making a satisfactory assessment. There is some evidence from appropriate animal or epidemiological studies, but this is insufficient to place the substance in Category 2.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

Persistence and degradability: Not available.

Mobility: Not available.

Additional Information: Not available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Methods:

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Advise toxic nature. Normally suitable for disposal by approved waste disposal agent.

Special Precautions/Additional Informational:

Not available.

SECTION 14 - TRANSPORT INFORMATION

UN Number: UN2821

UN Proper Shipping Name: Phenol solution

Class and Subsidiary risk: 6.1

Packing Group: PG III

Special Precautions for User: Label: Toxic (T), Corrosive (C).

Hazchem Code: 2X

SECTION 15 - REGULATORY INFORMATION

Poison Schedule Number: S6

SECTION 16 - OTHER INFORMATION

Date of preparation of MSDS: September 11

Comments:

List of Publications referenced when creating this MSDS;

- Hazardous Substances Information System Consolidated Lists: Safe Work Australia.
- APPROVED CRITERIA FOR CLASSIFYING HAZARDOUS SUBSTANCES [NOHSC:1008(2004)] 3rd Edition: National Occupational Health and Safety Commission.
- Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:1997).
- IATA Dangerous Goods Regulations.
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)].
- Australia Standard for the Uniform Scheduling of Drugs and Poisons [SUSPD] (Australian Government Department of Health and Ageing).

This Material Safety Data Sheet (MSDS) has been prepared in compliance with the National code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. The information published in this MSDS 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 Material Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.

... End of MSDS ...