

Infosafe No™	3CHEA	Issue Date : August 2017	RE-ISSUED by KINETIKP
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Product Name : **CARBOL FUCHSIN 1%**

Classified as hazardous

## 1. Identification

<b>GHS Product Identifier</b>	CARBOL FUCHSIN 1%
<b>Product Code</b>	617
<b>Product Type</b>	Water/ethanol solution of phenol and fuchsin.
<b>Company Name</b>	Kinetik Pty Ltd (ABN 53 605 811 532)
<b>Address</b>	Unit 10, 12 - 16 Robart Court, Narangba Queensland 4506 Australia
<b>Telephone/Fax Number</b>	Tel: 07 3203 0401 Fax: 07 3203 0421
<b>Recommended use of the chemical and restrictions on use</b>	Microbiology stain.
<b>Other Information</b>	EMERGENCY CONTACT NUMBER: +61 07 3203 0401 Business hours: 8:30am to 5:00pm, Monday to Friday.

Kinetik Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon Kinetik Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Kinetik Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

## 2. Hazard Identification

<b>GHS classification of the substance/mixture</b>	Acute Toxicity - Dermal: Category 3 Eye Damage/Irritation: Category 1 Germ Cell Mutagenicity: Category 2 Acute Toxicity - Inhalation: Category 3 Acute Toxicity - Oral: Category 3 Specific target organ toxicity - Repeated Exposure Category 2 Skin Corrosion/Irritation: Category 1B Carcinogenicity: Category 2
<b>Signal Word (s)</b>	DANGER
<b>Hazard Statement (s)</b>	H301 Toxic if swallowed. H311 Toxic in contact with skin. H314 Causes severe skin burns and eye damage. H331 Toxic if inhaled. H341 Suspected of causing genetic defects. H373 May cause damage to organs through prolonged or repeated exposure. H351 Suspected of causing cancer.
<b>Pictogram (s)</b>	Skull and crossbones, Health hazard, Corrosion



<b>Precautionary statement – Prevention</b>	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe dust/fume/gas/mist/vapours/spray. P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/eye protection/face protection.
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<b>Precautionary statement – Response</b>	Swallowed P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P330 Rinse mouth.
	• Skin P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P310 Immediately call a POISON CENTER or doctor/physician. P362 Take off contaminated clothing and wash before reuse.
	• Inhaled P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P310 Immediately call a POISON CENTER or doctor/physician.
	• Eye P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/physician.
<b>Precautionary statement – Storage</b>	P308+P313 IF exposed or concerned: Get medical advice/attention.
<b>Precautionary statement – Disposal</b>	P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container to an approved waste disposal plant.

### 3. Composition/information on ingredients

<b>Chemical Characterization</b>	Liquid																									
<b>Information on Composition</b>	This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.																									
<b>Ingredients</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Name</u></th> <th style="text-align: left;"><u>CAS</u></th> <th style="text-align: left;"><u>Proportion</u></th> <th style="text-align: left;"><u>Hazard Symbol</u></th> <th style="text-align: left;"><u>Risk Phrase</u></th> </tr> </thead> <tbody> <tr> <td>Ethanol</td> <td>64-17-5</td> <td>9.5 %</td> <td></td> <td></td> </tr> <tr> <td>Phenol</td> <td>108-95-2</td> <td>4.9 %</td> <td></td> <td></td> </tr> <tr> <td>Fuchsin Basic (C.I. 42510)</td> <td>632-99-5</td> <td>1 %</td> <td></td> <td></td> </tr> <tr> <td>Water to make a total of 100%</td> <td>7732-18-5</td> <td>-</td> <td></td> <td></td> </tr> </tbody> </table>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>	<u>Hazard Symbol</u>	<u>Risk Phrase</u>	Ethanol	64-17-5	9.5 %			Phenol	108-95-2	4.9 %			Fuchsin Basic (C.I. 42510)	632-99-5	1 %			Water to make a total of 100%	7732-18-5	-		
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### 4. First-aid measures

<b>Inhalation</b>	If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Immediately obtain medical aid if cough or other symptoms appear.
<b>Ingestion</b>	Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek immediate medical advice.
<b>Skin</b>	Remove contaminated clothing and wash affected skin with soap and water. If rapid recovery does not occur, obtain medical attention
<b>Eye contact</b>	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. If rapid recovery does not occur, obtain medical attention
<b>First Aid Facilities</b>	Maintain eyewash fountain and safety shower in work area.
<b>Advice to Doctor</b>	Treat symptomatically based on judgement of doctor and individual reactions of the patient.
<b>Other Information</b>	For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor.

### 5. Fire-fighting measures

<b>Hazards from Combustion Products</b>	Only small quantities of decomposition products are expected from this products at temperatures normally achieved in a fire. This will only occur after heating to dryness. Fire decomposition products from this product are likely to be harmful if inhaled. Take suitable protective measures.
<b>Specific Methods</b>	Use extinguishing media most appropriate for the surrounding fire. No limitations to the type of

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**Hazchem Code** extinguishing media.  
2X

## 6. Accidental release measures

**Spills & Disposal** In the event of spillage, use absorbent (soil, sand or inert medium) place into tightly closed containers. Adhere to personal protective measures. Flush the remainder with plenty of water. Label container and dispose of as hazardous waste.

**Personal** Avoid inhalation, contact with skin, eyes and clothing.

**Precautions** Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

**Personal Protection** Wear protective clothing specified for normal operations (see Section 8)

## 7. Handling and storage

**Precautions for Safe Handling** Avoid contact with skin, eyes and clothing. Wear appropriate protective clothing, safety glasses, gloves. Wash hands and face thoroughly after working with material. Areas in which people handle this chemical should be equipped with safety showers. Remove contaminated clothing and wash before re-use. Avoid inhalation and ingestion. Under no circumstances eat, drink or smoke while handling this material. Use with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

**Conditions for safe storage, including any incompatibilities** Store in tightly closed containers, in a cool, dry, ventilated area away from sources of heat or ignition.

**Storage Regulations** Refer Australian Standard AS/NZS 4452:1997 'The storage and handling of toxic substances'.

## 8. Exposure controls/personal protection

Occupational exposure limit values	Name	STEL		TWA		Footnote
		<u>mg/m3</u>	<u>ppm</u>	<u>mg/m3</u>	<u>ppm</u>	
	Ethanol			1880	1000	
	Phenol			4	1	
<b>Other Exposure Information</b>	The TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term 'peak' is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.					
<b>Appropriate engineering controls</b>	In industrial situations maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods.					
<b>Respiratory Protection</b>	Usually not required. Where ventilation is not adequate, respiratory protection may be required. Avoid breathing dust, vapours or mists. Respiratory protection should comply with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. In event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.					
<b>Eye Protection</b>	The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.					
<b>Hand Protection</b>	Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance. Recommendation: Butyl rubber gloves Viton over Butyl unlined glove. Viton rubber gloves. Silver Shield gloves					
<b>Personal Protective Equipment</b>	Final choice of personal protective equipment will depend on individual circumstances and/or according to risk assessments undertaken.					
<b>Body Protection</b>	Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.					
<b>Hygiene Measures</b>	Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.					

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## 9. Physical and chemical properties

<b>Form</b>	Liquid
<b>Appearance</b>	Red-blue solution
<b>Odour</b>	Mild odour.
<b>Boiling Point</b>	Approx 100°C at 100kPa.
<b>Solubility in Water</b>	Completely soluble.
<b>Specific Gravity</b>	0.95 approx.
<b>Flammability</b>	Non flammable.

## 10. Stability and reactivity

<b>Chemical Stability</b>	Stable under normal use conditons.
<b>Conditions to Avoid</b>	None known
<b>Incompatible Materials</b>	None known
<b>Hazardous Decomposition Products</b>	Only small quantities of decomposition products are expected from this products at temperatures normally achieved in a fire. This will only occur after heating to dryness. Carbon dioxide and carbon monoxide acids and acrid smoke. Fire decomposition products from this product are likely to be harmful if inhaled. Take suitable protective measures.
<b>Hazardous Polymerization</b>	Will not occur.

## 11. Toxicological Information

<b>Ingestion</b>	Toxic if swallowed. May cause digestive tract irritation with immediate pain, swelling of the throat. Ingestion is not a typical route of occupational exposure.
<b>Inhalation</b>	Toxic by inhalation. May cause irritation of nose, throat, respiratory tract and lungs with coughing, burns, breathing difficulty. Breathing vapour or mist may result in digestive disturbances (vomiting, difficulty in swallowing, nausea, vomiting, diarrhoea, loss of appetite). Substance is unlikely to pose an inhalation hazard unless it is heated or misted, as it does not readily form a vapour at room temperature.
<b>Skin</b>	Toxic in contact with skin. Corrosive following skin contact. Skin contact and absorption is the most common route of occupational exposure. Repeated contact with dilute solutions or even brief contact with concentrated solutions can pose a risk to life. Readily absorbed through the skin and can cause harmful effects. Signs and symptoms of phenol toxicity develop rapidly and include central nervous system effects, muscle weakness, tremors, loss of coordination, effects on the heart and blood vessels, shock, sudden collapse, coma, convulsions, lung and kidney damage and death.
<b>Eye</b>	Risk of serious damage to eyes. Corrosive to the eyes. May cause severe irritation, eye burns, redness, pain, blurred vision and permanent damage, including blindness. Vapours are irritating to eyes.
<b>Germ cell mutagenicity</b>	Germ Cell Mutagenicity: Category 2. H341 Suspected of causing genetic defects.
<b>Carcinogenicity</b>	Carcinogenicity: Category 2. H351 Suspected of causing cancer.

## 12. Ecological information

<b>Ecotoxicity</b>	No ecological data available for this product.
<b>Environmental Protection</b>	Do not allow to enter waters, waste water, or soil!

## 13. Disposal considerations

<b>Disposal Considerations</b>	Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations.
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## 14. Transport information

<b>Transport Information</b>	Dangerous Goods of Class 6 (Toxic and Infectious Substances) are incompatible in a placard load with any of the following: -Class 1, Class 3, if the Class 3 dangerous goods are nitromethane, Class 8, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids; and are incompatible with food and food packaging in any quantity.
<b>U.N. Number</b>	2810

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<b>UN proper shipping name</b>	TOXIC LIQUID, ORGANIC, N.O.S. - (Contains Phenol)
<b>Transport hazard class(es)</b>	6.1
<b>Hazchem Code</b>	2X
<b>Packaging Method</b>	3.8.6.1RT7,RT8
<b>Packing Group</b>	III
<b>EPG Number</b>	6B3
<b>IERG Number</b>	36

## 15. Regulatory information

<b>Regulatory Information</b>	All of the significant ingredients in this formulation are compliant with NICNAS regulations.
<b>Poisons Schedule</b>	S6

## 16. Other Information

<b>Literature References</b>	<p>'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia.</p> <p>Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 13th. Ed.', Rev., John Wiley and Sons, Inc., NY, 1997.</p> <p>National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.', 2007.</p> <p>Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals', 2011.</p> <p>Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand, 2010.</p> <p>Safe Work Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004)]'.</p> <p>Safe Work Australia, 'Hazardous Chemical Information System, 2005'.</p> <p>Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances (2011)'.</p> <p>Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995) 3rd Edition]'.</p>
<b>Contact Person/Point</b>	<p>DISCLAIMER STATEMENT:</p> <p>All information provided in this data sheet or by our technical representatives is compiled from the best knowledge available to us. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, we make no warranty either expressed or implied, with respect to the completeness or accuracy to the information contained herein. Kinetik Pty Ltd accepts no responsibility whatsoever for its accuracy or for any results that may be obtained by customers from using the data and disclaims all liability for reliance on information provided in this data sheet or by our technical representatives.</p> <p>...End Of MSDS...</p>

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