

# Material Safety Data Sheet

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Infosafe No™ 3CH18 Issue Date :August 2009 -ISSUED by CHEMSUPP CS: 1.4.21

Product Name **FUCHSIN BASIC (C.I. 42510)**

Classified as hazardous according to criteria of NOHSC

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** FUCHSIN BASIC (C.I. 42510)  
**Company Name** CHEM-SUPPLY PTY LTD (ABN 19 008 264 211)  
**Address** 50 Bedford Street GILLMAN  
SA 5013 Australia  
**Telephone/Fax Number** Tel: (08) 8440-2000  
Fax: (08) 8440-2001  
**Recommended Use** Textiles and leather industries, red dye, microscopy dye, pharmaceutical.

<b>Other Names</b>	<b>Name</b>	<b>Product Code</b>
	FUCHSIN BASIC (C.I. 42510) LR	FL057
	C.I. 42510	
	Basic Violet 14	
	C.I. Basic Violet 14	

**Other Information** EMERGENCY CONTACT NUMBER: +61 08 8440 2000  
Business hours: 8:30am to 5:00pm, Monday to Friday.

Chem-Supply 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 Chem-Supply 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 Chem-Supply 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. HAZARDS IDENTIFICATION

**Hazard Classification** Classified as hazardous according to criteria of NOHSC  
HAZARDOUS SUBSTANCE.  
NON-DANGEROUS GOODS.  
Hazard classification according to the criteria of NOHSC.  
Dangerous goods classification according to the Australia Dangerous Goods Code.

**Risk Phrase(s)** Classified as hazardous according to criteria of NOHSC  
R22 Harmful if swallowed.  
R40 Limited evidence of a carcinogenic effect.

**Safety Phrase(s)** S28 After contact with skin, wash immediately with plenty of

**Irritancy of Product** May cause irritation to skin, eyes, respiratory tract and digestive tract.

**Teratogenicity** No evidence of teratogenic effects.

**Safety Hazards** Avoid contact with skin and eyes. Avoid inhalation and ingestion of dust material. Avoid prolonged or over exposure with this material.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Characterization** Solid

<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>	<b>Hazard Symbol</b>	<b>Risk Phrase</b>
	Fuchsin Basic (C.I. 42510)	632-99-5	100 %	Xn	R22, R40

## 4. FIRST AID MEASURES

**Inhalation** Remove to fresh air. If symptoms persist, obtain medical attention.

**Ingestion** Rinse mouth thoroughly with water immediately. Give plenty of water to drink. Do not induce vomiting. Seek medical attention.

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**Skin** Wash with plenty of soap and water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.

**Eye** Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. If persistent irritation occurs, obtain medical attention.

**First Aid Facilities** Maintain eyewash fountain and safety shower in work area.

**Advice to Doctor** Treat symptomatically.  
For methemoglobinemia, administer oxygen alone or with Methylene blue depending on the methemoglobinemia concentration in the blood.

**Other Information** For advice, contact the National Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

## 5. FIRE FIGHTING MEASURES

**Hazards from Combustion Products** May liberate toxic fumes in fire (Carbon and nitrogen oxides).

**Specific Methods** Small fire: Use dry chemical, CO<sub>2</sub>, water spray or foam.  
Large fire: Use water spray, fog or foam.  
If safe to do so, move undamaged containers from the fire area. Cool containers with flooding quantities of water until well after the fire is out.

**Specific Hazards** May burn but do not ignite readily. Containers may explode when heated. Runoff may pollute waterways. Fire or heat may produce irritating, poisonous and/or corrosive gases. Dust may form explosive mixture with air.

**Decomposition Temp.** >200 °C

**Precautions in connection with Fire** Wear SCBA and structural firefighter's uniform.

## 6. ACCIDENTAL RELEASE MEASURES

**Spills & Disposal** Eliminate all ignition sources (no smoking, flares, sparks or flame) within at least 15m. Do NOT touch or walk through this product. Stop leak if safe to do so. Prevent entry into waterways, drains, confined areas. Prevent dust cloud. Use clean non-sparking tools to collect material and place it into loosely-covered plastic containers for later disposal.  
SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.

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

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling** Avoid generation or accumulation of dusts. Use in well ventilated areas away from all ignition sources. In case of insufficient ventilation, wear suitable respiratory equipment. Wash hands and face thoroughly after working with material.  
Avoid generation and inhalation of dust.

**Conditions for Safe Storage** Store in cool place and out of direct sunlight. Store away from oxidizing agents. Keep containers closed at all times.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Other Exposure Information** A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by NOHSC Australia for this product. There is a blanket limit of 10 mg/m<sup>3</sup> for dusts or mists when limits have not otherwise been established.

**Engineering Controls** 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.

**Respiratory Protection** 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.

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<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: Rubber or plastic gloves.
<b>Body Protection</b>	Clean clothing or protective clothing should be worn, preferably with an apron. 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	Solid
<b>Appearance</b>	Deep green powder.
<b>Odour</b>	Faint odour.
<b>Decomposition Temperature</b>	>200 °C
<b>Melting Point</b>	~235 °C (decomposes)
<b>Solubility in Water</b>	Soluble.
<b>Solubility in Organic Solvents</b>	Slightly soluble in ethanol. Insoluble in diethyl ether.
<b>Specific Gravity</b>	1.22
<b>Flammability</b>	Combustible.
<b>Molecular Weight</b>	337.85

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal use conditons.
<b>Conditions to Avoid</b>	Incompatibles.
<b>Incompatible Materials</b>	Strong oxidising agents, acids.
<b>Hazardous Decomposition Products</b>	Carbon and nitrogen oxides and hydrochloric acid.
<b>Hazardous Polymerization</b>	Will not occur.

## 11. TOXICOLOGICAL INFORMATION

<b>Inhalation</b>	May cause respiratory tract irritation. May cause methemoglobinemia, cyanosis, convulsions, tachycardia, dyspnea (labored breathing), and death. May cause effects similar to those described for ingestion. Methemoglobinemia is characterized by dizziness, drowsiness, headache, breath shortness, cyanosis with bluish skin, rapid heart rate and chocolate-brown blood.
<b>Ingestion</b>	May be harmful if swallowed. May cause irritation of the digestive tract. May cause methemoglobinemia, cyanosis (bluish discoloration of skin due to deficient oxygenation of the blood), convulsions, and death. Methemoglobinemia is characterized by dizziness, drowsiness, headache, nausea, vomiting and diarrhea, breath shortness, cyanosis with bluish skin, rapid heart rate and chocolate-brown colored blood. Exposure may cause anemia and other blood abnormalities.
<b>Skin</b>	May cause skin irritation. May be absorbed through the skin in harmful amounts. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. If absorbed, causes symptoms similar to those of ingestion and inhalation.
<b>Eye</b>	May cause irritation, redness and pain to the eye.
<b>Chronic Effects</b>	Prolonged or repeated skin contact may cause dermatitis. Chronic inhalation

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and ingestion may cause effects similar to those of acute inhalation and ingestion. Prolonged exposure may cause anemia and methemoglobinemia, characterized by dizziness, drowsiness, headache, breath shortness, cyanosis (bluish skin due to deficient oxygenation of the blood), rapid heart rate and chocolate-brown colored blood. Chronic exposure can affect thyroid function. May cause pituitary gland abnormalities.

**Mutagenicity** Evidence of mutagenic effects for bacteria/yeast cells.**Carcinogenicity** Magenta [632-99-5] (containing CI Basic Red 9) is evaluated in the IARC Monographs (Vol. 57; 1993) as Group 2B: Possibly carcinogenic to humans.**Acute Toxicity - Oral** LD50 (mouse): 5000 mg/kg

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** No ecological data available for this product.**Acute Toxicity - Fish** LC50 (Oryzias latipes): 4.3 mg/l/48h

## 13. DISPOSAL CONSIDERATIONS

**Disposal Considerations** Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations.

## 14. TRANSPORT INFORMATION

**Transport Information** Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

## 15. REGULATORY INFORMATION

**Regulatory Information** Listed in the Australian Inventory of Chemical Substances (AICS).**Poisons Schedule** Not Scheduled**Hazard Category** Harmful

## 16. OTHER INFORMATION

**Contact Person/Point** Paul McCarthy Ph. (08) 8440 2000 **DISCLAIMER STATEMENT:**  
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. Chem-Supply 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.**Empirical Formula & Structural Formula** C20 H20 Cl N3**Literature References**  
Australian Government Department of Health and Ageing, 'Standard for the Uniform Scheduling of Drugs and Poisons No. 23', Commonwealth of Australia 2008.  
Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 13th. Ed.', Rev., John Wiley and Sons, Inc., NY, 1997.  
National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.', 2007.  
South Australia Government, 'Approved Code of Practice for the Labelling of Workplace Substances', 1995.  
Standards Australia 'AS 1940-2004 The Storage and Handling of Flammable and Combustible Liquids.  
Standards Australia, 'SAA/SNZ HB 76:2004 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand, August 2004.  
Worksafe Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004)]', AusInfo, Canberra 2004.

