

Material Safety Data Sheet

CS: 1.4.21

Page: 1 of 4

Infosafe No™ 1CH76 Issue Date :March 2010 -ISSUED by CHEMSUPP CS: 1.4.21

Product Name **TOLUIDINE BLUE O**

Not classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name TOLUIDINE BLUE O
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 Biological stain, direct dyeing, printing of wool and silk and laboratory reagent.

Other Names Name Product Code

3-Amino-7-dimethylamino-2-methylphenazat
hionium chloride
TOLUIDINE BLUE O LR TL026
Tolonium chloride
Blutene chloride
C.I. 52040
Basic blue 17

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 Not classified as hazardous according to criteria of NOHSC
NON-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) Not classified as hazardous according to criteria of NOHSC

Safety Phrase(s) S24/25 Avoid contact with skin and eyes.
S28 After contact with skin, wash immediately with plenty of water.
S37 Wear suitable gloves.
S45 In case of accident or if you feel unwell seek medical advice immediately

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.

Other Information Information on the health effects of exposure to this material are limited.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization Solid

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>	<u>Hazard Symbol</u>	<u>Risk Phrase</u>
	Toluidine Blue	92-31-9	100 %		

Material Safety Data Sheet

CS: 1.4.21

Page: 2 of 4

Infosafe No™ 1CH76 Issue Date :March 2010 -ISSUED by CHEMSUPP CS: 1.4.21

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4. FIRST AID MEASURES

Inhalation	Remove victim to fresh air. Seek medical advice if effects persist.
Ingestion	Rinse mouth thoroughly with water immediately. Give plenty of water to drink. Do not induce vomiting. Seek medical advice.
Skin	Wash affected areas with copious quantities of water. Seek medical advice if effects persist.
Eye	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical attention.
First Aid Facilities	Maintain eyewash fountain and safety shower in work area.
Advice to Doctor	Treat symptomatically.
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	May liberate toxic fumes in fire (chlorine compounds, nitric and sulphur oxides).
Products	
Specific Methods	Small fire: Use dry chemical, CO2, 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 may produce irritating, poisonous and/or corrosive gases. This product in sufficient quantity and reduced particle size is capable of creating a dust explosion.
Precautions in connection with Fire	Wear SCBA and structural firefighter's uniform.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal	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.
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. Contaminated clothing should be removed and washed before reuse. Wash hands and face thoroughly after working with material.
Conditions for Safe Storage	Keep containers closed at all times. Keep in a cool, dry, well-ventilated place. Store away from oxidizing agents.

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 ³ 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.
Eye Protection	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

Material Safety Data Sheet

CS: 1.4.21

Page: 3 of 4

Infosafe No™ 1CH76	Issue Date :March 2010	-ISSUED by CHEMSUPP	CS: 1.4.21
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Product Name **TOLUIDINE BLUE O**

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Hand Protection	be selected and used in accordance with AS 1336. Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance. Recommendation: Rubber or plastic gloves.
Body Protection	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.
Hygiene Measures	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

Form	Solid
Appearance	Deep green powder.
Odour	Odourless.
Solubility in Water	Soluble.
Solubility in Organic Solvents	Soluble in methanol.
Flammability	Combustible.
Molecular Weight	305.83

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal use conditons.
Conditions to Avoid	Dust generation. Excess heat. Incompatibles.
Incompatible Materials	Strong oxidisers.
Hazardous Decomposition Products	Hydrogen chloride gas and hydrochloric acid and oxides of carbon, nitrogen and sulfur.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Inhalation	May cause irritation to the mucous membranes of the upper respiratory system. May be harmful if inhaled.
Ingestion	May be harmful if swallowed. May cause nausea, vomiting, diarrhea, abdominal pain, tenesmus, bluish tint in skin, blue-green urine and burning on urination. May cause digestive tract irritation.
Skin	May cause irritation to skin. May be harmful if absorbed through skin.
Eye	May cause irritation to eyes.
Mutagenicity	No evidence of mutagenic properties.
Carcinogenicity	No evidence of carcinogenic properties.
Other Information	LD50 (rat, intraperitoneal): 215 mg/kg.

12. ECOLOGICAL INFORMATION

Ecotoxicity	No ecological data available for this product.
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13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Whatever cannot be saved for recovery or recycling should be dispose of according to relevant local, state and federal government regulations.
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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.
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Material Safety Data Sheet

CS: 1.4.21

Page: 4 of 4

Infosafe No™ 1CH76 Issue Date :March 2010 -ISSUED by CHEMSUPP CS: 1.4.21

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15. REGULATORY INFORMATION

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

16. OTHER INFORMATION

Contact Person/Point Paul McCarthy Ph. (08) 8440 2000 **DISCLAIMER STATEMENT:**
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Empirical Formula & Structural Formula

C15H16N3S.Cl

Literature References

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