

Infosafe No™ 1CHCP	Issue Date : February 2022	RE-ISSUED by CHEMSUPP
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Product Name **BROMOCRESOL GREEN Sodium salt**

Not classified as hazardous

## Section 1 - Identification

**Product Identifier** BROMOCRESOL GREEN Sodium salt

**Company Name** CHEMSUPPLY AUSTRALIA PTY LTD (ABN 19 008 264 211)

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SA 5013 Australia

**Telephone/Fax Number** Tel: (08) 8440-2000

**Emergency Phone Number** CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)

**E-mail Address** www.chemsupply.com.au

**Recommended use of the chemical and restrictions on use** A dye of the triphenylmethane family (triarylmethane dyes), which is used as an acid-base (pH) indicator (below pH 3.8 (Yellow), above pH 5.4 (Blue)) and as a tracking dye for DNA agarose gel electrophoresis. Commonly used as the water-soluble sodium salt or as a solution in dilute sodium hydroxide or alcohol.

<b>Other Names</b>	<u><b>Name</b></u>	<u><b>Product Code</b></u>
	BROMOCRESOL GREEN Sodium salt LR	BL001
	Bromocresol green sodium salt	
	Tetrabromo-o-cresolsulfonphthalein	

### Other Information

ChemSupply Australia 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 ChemSupply Australia 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 ChemSupply Australia 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.

## Section 2 - Hazard(s) Identification

**GHS Classification of the Substance/Mixture** Classified as non-Hazardous according to the 7th Edition Globally Harmonised System of classification and labelling of Chemicals (GHS7) including Work, Health and Safety regulations, Australia.  
Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).

## Section 3 - Composition and Information on Ingredients

<b>Ingredients</b>	<u><b>Name</b></u>	<u><b>CAS</b></u>	<u><b>Proportion</b></u>
	Bromocresol green sodium salt	62625-32-5	100 %

## Section 4 - First Aid Measures

**Inhalation** Recovery should be rapid after removal from exposure.

**Ingestion** Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek medical advice if effects persist.

**Skin** Wash skin with water using soap if available. If rapid recovery does not occur, obtain medical attention

**Eye** If contact with the eye(s) occurs, wash with copious amounts of water for approximately 15 minutes holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye.

**First Aid Facilities** Maintain eyewash fountain and drench facilities in work area.

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**Advice to Doctor** Treat symptomatically and supportively.

**Other Information** For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor.

## Section 5 - Firefighting Measures

**Hazards from Combustion Products** Toxic and/or irritating fumes including carbon monoxide, carbon dioxide, sodium oxides, sulfur oxides (SO<sub>2</sub>, SO<sub>3</sub>, SO<sub>x</sub>), halogenated compounds, hydrogen bromide gas (HBr), bromides, bromines and bromine gas.

**Specific Methods** Small fire: Use dry chemical, CO<sub>2</sub>, water spray or foam.  
Large fire: Use water spray, fog or foam.

**Decomposition Temperature** 225 °C; 229 - 231 °C (melting point).

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

## Section 6 - Accidental Release Measures

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

**Clean-up Methods - Small Spillages** Sweep up (avoid generating dust) and using clean non-sparking tools transfer to a clean, suitable, clearly labelled container for disposal in accordance with local regulations.

## Section 7 - Handling and Storage

**Precautions for Safe Handling** Avoid ingestion and inhalation of vapours, or dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Minimize dust generation and accumulation. Keep containers closed when not in use. Use with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Wear appropriate protective equipment. Wash thoroughly after handling. Protect against physical damage. Keep container dry.

**Conditions for safe storage, including any incompatibilities** Store in suitable, labelled, tightly closed containers, in a cool, dry, well-ventilated area away from incompatible substances. Store away from oxidizing agents. Protect against physical damage. Keep well protected from direct sunlight and moisture. Keep away from heat. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

**Storage Temperatures** Store at room temperature (15 to 25 °C recommended).

## Section 8 - Exposure Controls and 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 Safe Work Australia for this product. There is a blanket limit of 10 mg/m<sup>3</sup> for dusts 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 and Face 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 be selected and used in accordance with AS 1336.

**Hand Protection** Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance. Recommendation: Plastic or rubber gloves.

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<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>	Flame retardant antistatic protective clothing. 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.

## Section 9 - Physical and Chemical Properties

<b>Form</b>	Solid
<b>Appearance</b>	Dark, brownish red powder.
<b>Odour</b>	Characteristic odour or odourless.
<b>Melting Point</b>	229-231 °C (decomposes); 225 °C (decomposes); 218-219 °C.
<b>Decomposition Temperature</b>	225 °C; 229 - 231 °C (melting point).
<b>Solubility in Water</b>	Soluble.
<b>Solubility in Organic Solvents</b>	Soluble in alcohols, benzene, ether and ethyl acetate.
<b>Volatile Component</b>	0 %vol @ 21 °C
<b>Flammability</b>	Combustible.
<b>Explosion Properties</b>	Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
<b>Molecular Weight</b>	721.01

## Section 10 - Stability and Reactivity

<b>Chemical Stability</b>	Stable under normal temperatures, pressures and ordinary conditions of use and storage.
<b>Possibility of Hazardous Reactions</b>	Reactive with oxidizing agents.
<b>Conditions to Avoid</b>	Incompatible materials, dust generation, excess heat, light.
<b>Incompatible Materials</b>	Strong acids and bases, strong oxidisers and strong reducing agents.
<b>Hazardous Decomposition Products</b>	Toxic and/or irritating fumes including carbon monoxide, carbon dioxide, carbon, sodium oxides, bromine gas, hydrogen bromide gas, bromines, halogenated compounds and sulfur oxides (SOx).
<b>Hazardous Polymerization</b>	Will not occur.

## Section 11 - Toxicological Information

<b>Toxicology Information</b>	METABOLISM AND ELIMINATION (mice, rats): An injected dose of bromocresol green was largely eliminated from the body unchanged in the bile within an hour.
<b>Ingestion</b>	Ingestion of large amounts may cause gastrointestinal irritation with nausea, vomiting and diarrhoea.
<b>Inhalation</b>	May cause respiratory tract irritation. Symptoms may include coughing and shortness of breath.
<b>Skin</b>	May cause skin irritation, with redness, itchiness and pain. May be harmful if absorbed through the skin.
<b>Eye</b>	Dust may cause mechanical irritation. This product contains an anionic dye. Similar dyes have not caused injury to the cornea or conjunctiva in documented exposure cases with human or rabbit eyes.
<b>Carcinogenicity</b>	Not listed in the IARC Monographs.
<b>Chronic Effects</b>	Some people may develop allergic reactions to this material. No specific

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information is available, but very rarely allergic reactions occur to a related chemical, phenolphthalein. Repeated or prolonged exposure may cause damage to the kidneys, nervous system and the liver. Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.

## Section 12 - Ecological Information

**Ecological Information**      No ecological problems are to be expected when the product is handled and used with due care and attention.

## Section 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.

## Section 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.

## Section 15 - Regulatory Information

**Poisons Schedule**      Not Scheduled

## Section 16 - Any Other Relevant Information

**Literature References**      'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia.  
National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.'.  
Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals'.  
Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand.  
Safe Work Australia, 'Hazardous Chemical Information System'.  
Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances'.  
Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment'.

**Contact Person/Point**      Paul McCarthy Ph. (08) 8440 2000      **DISCLAIMER STATEMENT:**  
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**Empirical Formula & Structural Formula**      C<sub>21</sub>H<sub>14</sub>Br<sub>4</sub>O<sub>5</sub>S•Na

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