

Infosafe No™ 3CHK0	Issue Date : March 2021	RE-ISSUED by ABS
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Product Name **MALACHITE GREEN 5% Aqueous**

Classified as hazardous

1. Identification

GHS Product Identifier	MALACHITE GREEN 5% Aqueous				
Company Name	AUSTRALIAN BIOSTAIN Pty Ltd				
Address	24 - 28 Stratton Drive, Traralgon, Victoria, Australia, 3844 www.australianbiostain.com.au				
Telephone/Fax Number	Tel: (03) 5176 2855				
Emergency phone number	CHEMCALL (24 hours): 1800 127 406 (Australia) / +64-4-917-9888 (International)				
E-mail Address	www.australianbiostain.com.au				
Recommended use of the chemical and restrictions on use	Laboratory stain/reagent.				
Other Names	<table> <tr> <th><u>Name</u></th><th><u>Product Code</u></th></tr> <tr> <td>MALACHITE GREEN 5.0% Aqueous</td><td>AMGR5</td></tr> </table>	<u>Name</u>	<u>Product Code</u>	MALACHITE GREEN 5.0% Aqueous	AMGR5
<u>Name</u>	<u>Product Code</u>				
MALACHITE GREEN 5.0% Aqueous	AMGR5				
Other Information	Australian Biostain 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 Australian Biostain 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 Australian Biostain 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

GHS classification of the substance/mixture	<p>This product is classified as HAZARDOUS according to Approved Criteria for Classifying Hazardous Substances [NOSHC:1008] and/or list of Designated Hazardous Substances [NOHSC:10005] and the Hazardous Substances Information System [HSIS] Worksafe Australia May 2014.</p> <p>This product is classified as a DANGEROUS GOODS according to the Australian Code for the Transport and Storage of Dangerous Goods by Road and Rail</p> <p>Hazardous to the Aquatic Environment - Acute Hazard: Category 3</p> <p>Hazardous to the Aquatic Environment - Long-Term Hazard: Category 3</p> <p>Germ Cell Mutagenicity: Category 2</p> <p>Toxic to Reproduction: Category 2</p> <p>Eye Damage/Irritation: Category 2A</p>
Signal Word (s)	WARNING
Hazard Statement (s)	<p>H412 Harmful to aquatic life with long lasting effects.</p> <p>H341 Suspected of causing genetic defects.</p> <p>H361 Suspected of damaging fertility or the unborn child.</p> <p>H319 Causes serious eye irritation.</p>
Pictogram (s)	Environment, Health hazard, Exclamation mark
	  
Precautionary statement – Prevention	<p>P273 Avoid release to the environment.</p> <p>P201 Obtain special instructions before use.</p> <p>P202 Do not handle until all safety precautions have been read and understood.</p> <p>P264 Wash thoroughly after handling.</p>

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Precautionary statement – Response	P280 Wear protective gloves/protective clothing/eye protection/face protection. P281 Use personal protective equipment as required. P391 Collect spillage. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/attention. P308+P313 IF exposed or concerned: Get medical advice/attention.
Precautionary statement – Storage	P405 Store locked up.
Precautionary statement – Disposal	P501 Dispose of contents/container to an approved waste disposal plant.

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	MALACHITE GREEN OXALATE	2437-29-8	5 %
	Water to make a total of	7732-18-5	
	100%		

4. First-aid measures

Inhalation	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.
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	Immediately remove contaminated clothing and wash affected area with water for at least 15 minutes. Ensure contaminated clothing is washed before re-use. Seek medical advice /attention depending on the severity.
Eye contact	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. In all cases of eye contamination it is a sensible precaution to seek medical advice.
First Aid Facilities	Maintain eyewash fountain and safety shower in work area.
Advice to Doctor	Treat symptomatically based on judgement of doctor and individual reactions of the patient.
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	Oxides of carbon.
Specific Methods	This product contains a substantial proportion of water therefore there are no restrictions on the type of extinguishing media which may be used. Caution: Use of water spray when fighting fire may be inefficient. Small fire: Use foam, dry chemical, CO2 or water spray. Large fire: Use foam, fog or water spray - Do not use water jets. If safe to do so, move undamaged containers from fire area. Cool containers with flooding quantities of water until well after fire is out.
Precautions in connection with Fire	SCBA and structural firefighter's uniform may provide limited protection. Fully-encapsulating, gas-tight suits should be worn for maximum protection.

6. Accidental release measures

Personal Precautions	Avoid inhalation, contact with skin, eyes and clothing. Follow precautions for safe handling described in this safety data sheet. Provide adequate ventilation. Keep unnecessary and unprotected personnel away from the spillage. Treat the spilled material according to the instructions in the clean-up section.
Personal Protection	Wear protective clothing specified for normal operations (see Section 8)

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Clean-up Methods - Small Spillages	Absorb or contain liquid with sand, earth or spill control material. Shovel up using non sparking tools and place in a labelled, sealable container for subsequent safe disposal. Put leaking containers in a labelled drum or overdrum.
Environmental Precautions	Avoid discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material. The product contains substances which are water-soluble and may spread in water systems. The product contains volatile substances which may spread in the atmosphere.

7. Handling and storage

Precautions for Safe Handling	Avoid fumes. Wear Safety glasses, gloves and protective apron. Work in an area of good ventilation, an approved fume cupboard is preferred. No eating or drinking in workplace, wash hands whenever leaving work area.
Storage Temperatures	Keep at temperature not exceeding 25°C.

8. Exposure controls/personal protection

Other Exposure Information	No exposure standard has been established for this product. These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity. The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week.
Appropriate engineering controls	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. These methods should be used in preference to personal protective equipment.
Respiratory Protection	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.
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 be selected and used in accordance with AS 1336.
Hand Protection	Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves - Selection, use and maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments. Avoid skin contact when removing gloves from hands, do not touch the gloves outer surface. Dispose of gloves as hazardous waste.
Personal Protective Equipment	Personal protective equipment should not solely be relied upon to control risk and should only be used when all other reasonably practicable control measures do not eliminate or sufficiently minimise risk. Guidance in selecting personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.
Body Protection	Wear anti-static protective clothing if there is a risk of ignition from static electricity.
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

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Appearance	Green liquid.
Odour	Faint alcohol.
Freezing Point	0°C
Boiling Point	100°C
Solubility in Water	Completely.
Density	1 g/cm ³

10. Stability and reactivity

Chemical Stability	Stable under normal use conditons.
Conditions to Avoid	Extremes of temperature and direct sunlight.
Incompatible Materials	Acids. Alkalis. Oxidising agents.
Hazardous Decomposition Products	Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO ₂). Carbon monoxide (CO). Nitrous gases (NO _x). Hydrocarbons. Does not decompose when used and stored as recommended.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Ingestion	May cause irritation of mouth, throat and stomach.
Inhalation	May cause respiratory irritation leading to headache, dizziness and confusion.
Skin	May cause skin irritation, itchiness and redness.
Eye	Causes serious eye irritation, stinging, tearing and blurred vision.
Respiratory sensitisation	Based on available data the classification criteria are not met.
Skin Sensitisation	Based on available data the classification criteria are not met.
Germ cell mutagenicity	Germ cell mutagenicity - Category 2
Carcinogenicity	Not classified as a human carcinogen.
Reproductive Toxicity	Reproductive toxicity - Category 2
STOT-single exposure	Based on available data the classification criteria are not met.
STOT-repeated exposure	Based on available data the classification criteria are not met.
Aspiration Hazard	Based on available data the classification criteria are not met.
Serious eye damage/irritation	Eye Damage/Irritation: Category 2A H319 Causes serious eye irritation.
Mutagenicity	Based on available data the classification criteria are not met.

12. Ecological information

Ecological Information	Hazardous to the Aquatic Environment - Long-Term Hazard: Category 3
Ecotoxicity	The product is believed to not be a dangerous to the environment with respect to mobility, persistency and degradability, bioaccumulative potential, aquatic toxicity and other measures or relating to ecotoxicity.

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.
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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 (ADG); by the IATA Air Transport Dangerous Goods Regulations; or by the IMDG (International Maritime Dangerous Goods) Code.
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15. Regulatory information

Regulatory Information	All of the significant ingredients in this formulation are compliant with NICNAS regulations. Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
Poisons Schedule	Not Scheduled

16. Other 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'.
Other Information	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. Australian Biostain 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. ...End Of MSDS...

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