

Infosafe No™ 3CHOZ	Issue Date : February 2021	RE-ISSUED by AMBERSCI
--------------------	----------------------------	-----------------------

 Product Name **MALACHITE GREEN 0.05 - 1.0% Aqueous**

Classified as hazardous

## 1. Identification

**GHS Product Identifier** MALACHITE GREEN 0.05 - 1.0% Aqueous

**Company Name** AMBER SCIENTIFIC PTY LTD

**Address** 24 - 28 Stratton Drive Traralgon  
Victoria 3844 Australia

**Telephone/Fax Number** Tel: (03) 5176 2855

**Emergency phone number** CHEMCALL (24 hours): 1800 127 406 (Australia) / +64-4-917-98888 (International)

**Recommended use of the chemical and restrictions on use** Laboratory stain/reagent.

<b>Other Names</b>	<u>Name</u>	<u>Product Code</u>
	MALACHITE GREEN 1.0% Aqueous	MLGR
	MALACHITE GREEN 0.05% Aqueous	MLGR0.05

**Other Information** Amber Scientific 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 Amber Scientific 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 Amber Scientific 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** 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 Chemical Information System [HCIS] Worksafe Australia May 2014. Not classified as dangerous goods according to the ADG Code.

Hazardous to the Aquatic Environment - Acute Hazard: Category 3  
Hazardous to the Aquatic Environment - Long-Term Hazard: Category 3

**Signal Word (s)** WARNING

**Hazard Statement (s)** H412 Harmful to aquatic life with long lasting effects.

**Pictogram (s)** Environment



**Precautionary statement – Prevention** P273 Avoid release to the environment.

**Precautionary statement – Response** P391 Collect spillage.

**Precautionary statement – Disposal** P501 Dispose of contents/container to an approved waste disposal plant.

## 3. Composition/information on ingredients

<b>Ingredients</b>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
--------------------	-------------	------------	-------------------

Infosafe No™ 3CHOZ	Issue Date : February 2021	RE-ISSUED by AMBERSCI
--------------------	----------------------------	-----------------------

Product Name **MALACHITE GREEN 0.05 - 1.0% Aqueous**

Classified as hazardous

MALACHITE GREEN OXALATE 2437-29-8	0.05-1 %
Water to make a total of 7732-18-5	
100%	

## 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 medical advice if effects persist.
<b>Skin</b>	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.
<b>Eye contact</b>	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.
<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 the National Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

## 5. Fire-fighting measures

<b>Hazards from Combustion Products</b>	Oxides of carbon.
<b>Specific Methods</b>	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.
<b>Precautions in connection with Fire</b>	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

<b>Personal Precautions</b>	Avoid inhalation, contact with skin, eyes and clothing. Follow precautions for safe handling described in this safety data sheet. No smoking, sparks, flames or other sources of ignition near spillage. 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.
<b>Personal Protection</b>	Wear protective clothing specified for normal operations (see Section 8)
<b>Clean-up Methods - Small Spillages</b>	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.
<b>Environmental Precautions</b>	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

<b>Precautions for Safe Handling</b>	Extinguish any naked flames. Remove ignition sources. Avoid sparks. Do not smoke. Avoid fumes. Wear Safety glasses, gloves and protective apron. Work in an area of good ventilation, an approved fume cupboard is preferred.
--------------------------------------	--

Infosafe No™ 3CHOZ	Issue Date : February 2021	RE-ISSUED by AMBERSCI
--------------------	----------------------------	-----------------------

Product Name **MALACHITE GREEN 0.05 - 1.0% Aqueous**

Classified as hazardous

**Storage Temperatures** No eating or drinking in workplace, wash hands whenever leaving work area.  
Keep at temperature not exceeding 25°C.

## 8. Exposure controls/personal protection

<b>Other Exposure Information</b>	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.
<b>Appropriate engineering controls</b>	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.
<b>Respiratory Protection</b>	Usually is not required. Where protection is required from nuisance levels of dust or mists select respiratory protection that complies with AS 1716 - Respiratory Protective Devices and select in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels.
<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>	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.
<b>Personal Protective Equipment</b>	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.
<b>Body Protection</b>	Wear anti-static protective clothing if there is a risk of ignition from static electricity.
<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>Appearance</b>	Green liquid.
<b>Odour</b>	Odourless
<b>Freezing Point</b>	0°C
<b>Boiling Point</b>	100°C
<b>Solubility in Water</b>	Completely.
<b>Density</b>	1 g/cm <sup>3</sup>

## 10. Stability and reactivity

<b>Chemical Stability</b>	Stable under normal use conditons.
<b>Conditions to Avoid</b>	Avoid heat, flames and other sources of ignition.
<b>Incompatible Materials</b>	Acids. Alkalis. Oxidising agents.

Infosafe No™ 3CHOZ      Issue Date : February 2021      RE-ISSUED by AMBERSCI

Product Name **MALACHITE GREEN 0.05 - 1.0% Aqueous**

Classified as hazardous

**Hazardous Decomposition Products** Thermal decomposition or combustion products may include the following substances:  
Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Nitrous gases (NO<sub>x</sub>). Hydrocarbons.  
Does not decompose when used and stored as recommended.

**Hazardous Polymerization** Will not occur.

## 11. Toxicological Information

**Ingestion** May cause slight irritation of mouth, throat and stomach.

**Inhalation** May cause slight respiratory irritation leading to headache, dizziness and confusion.

**Skin** May cause slight skin irritation, itchiness and redness.

**Eye** May cause slight 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** Based on available data the classification criteria are not met.  
Malachite Green Oxalate:  
Germ cell mutagenicity - Category 2

**Carcinogenicity** Not classified as a human carcinogen.

**Reproductive Toxicity** Based on available data the classification criteria are not met.  
Malachite Green Oxalate:  
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.

**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.

## 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.

## 15. Regulatory information

**Regulatory Information** All the constituents of this product are listed on the Australian Inventory of Chemical Substances (AICS), or exempted. All of the significant ingredients in this formulation are compliant with Australian Industrial Chemicals Introduction Scheme (AICIS) regulations.

**Poisons Schedule** Not Scheduled

## 16. Other Information

Infosafe No™ 3CHOZ	Issue Date : February 2021	RE-ISSUED by AMBERSCI
--------------------	----------------------------	-----------------------

Product Name **MALACHITE GREEN 0.05 - 1.0% Aqueous**

Classified as hazardous

**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** Amber Scientific 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 Amber Scientific 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 Amber Scientific 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.

**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...

© Copyright Chemical Safety International Pty Ltd

Copyright in the source code of the HTML, PDF, XML, XFO and any other electronic files rendered by an Infosafe system for Infosafe MSDS displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copyright in the layout, presentation and appearance of each Infosafe MSDS displayed is the intellectual property of Chemical Safety International Pty Ltd. The compilation of MSDS's displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copying of any MSDS displayed is permitted for personal use only and otherwise is not permitted. In particular the MSDS's displayed cannot be copied for the purpose of sale or licence or for inclusion as part of a collection of MSDS without the express written consent of Chemical Safety International Pty Ltd.