



chem-supply

Safety Data Sheet

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Infosafe No™	3CH5L	Issue Date : November 2019	RE-ISSUED by CHEMSUPP
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Product Name : **MALACHITE GREEN OXALATE**

Classified as hazardous

1. Identification

GHS Product Identifier MALACHITE GREEN OXALATE**Company Name** CHEM-SUPPLY PTY LTD (ABN 19 008 264 211)**Address** 38 - 50 Bedford Street GILLMAN
SA 5013 Australia**Telephone/Fax Number** Tel: (08) 8440-2000
Fax: (08) 8440-2001**Emergency phone number** CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)**Other Names** NameProduct CodeC.I. 42000, Acryl Brilliant Green, Aniline Green, China Green, Fast Green, Victoria Green, Basic Green 4
MALACHITE GREEN OXALATE

ML175

Other Information

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. Hazard Identification

GHS classification of the substance/mixture Acute Toxicity - Oral: Category 4
Eye Damage/Irritation: Category 1
Germ Cell Mutagenicity: Category 2
Toxic to Reproduction: Category 2**Signal Word (s)** Hazardous to the Aquatic Environment - Acute Hazard: Category 1
Hazardous to the Aquatic Environment - Long-Term Hazard: Category 1
DANGER**Hazard Statement (s)** H302 Harmful if swallowed.
H318 Causes serious eye damage.
H341 Suspected of causing genetic defects.
H361 Suspected of damaging fertility or the unborn child.
H410 Very toxic to aquatic life with long lasting effects.**Pictogram (s)** Corrosion, Health hazard, Skull and crossbones, Environment**Precautionary statement – Prevention**P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P281 Use personal protective equipment as required.**Precautionary statement – Response**P273 Avoid release to the environment.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P330 Rinse mouth.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.
P308+P313 IF exposed or concerned: Get medical advice/attention.



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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

Chemical	Solid				
Characterization					
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>	<u>Hazard Symbol</u>	<u>Risk Phrase</u>
	MALACHITE GREEN OXALATE	2437-29-8	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 immediate medical advice. Toxic if swallowed.

Skin Wash affected areas with copious quantities of water immediately for at least 15 minutes while removing contaminated clothing and shoes. Seek immediate medical advice.

Eye contact Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Obtain medical attention immediately.

First Aid Facilities Eye wash station, safety shower and normal washroom facilities.

Advice to Doctor Treat symptomatically based on judgement of doctor and individual reactions of the patient.

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

5. Fire-fighting measures

Suitable extinguishing media Water spray, Carbon dioxide, dry chemical, chemical foam.

Special Protective Equipment for fire fighters Proper protective equipment including breathing apparatus.

Specific hazards arising from the chemical Thermal decomposition can lead to the release of irritating gases and vapors.

Hazchem Code 2X

6. Accidental release measures

Personal Precautions Avoid substance contact. Avoid generation of dusts: do not inhale dusts. Ensure supply of fresh air in enclosed rooms.

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

Clean-up Methods - Small Spillages Sweep up (avoid generating dust) and remove to a suitable, clearly labelled container for disposal in accordance with local regulations.

Environmental Precautions Avoid release to the environment.

7. Handling and storage

Precautions for Safe Handling Avoid contact with skin and eyes. Do not breathe dust, vapors or spray mist.

Conditions for safe storage, including any incompatibilities Keep container tightly closed and in a cool, well-ventilated place

Storage Regulations Refer Australian Standard AS/NZS 4452:1997 'The storage and handling of toxic substances'.

8. Exposure controls/personal protection



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Occupational exposure limit values	No exposure standards have been established for this material, however, the TWA National Occupational Health And Safety Commission (NOHSC) exposure standards for dust not otherwise specified is 10 mg/m ³ .
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.
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.
Hand Protection	Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336. 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.
Footwear	Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.
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	Wash hands thoroughly after handling this material. Launder contaminated clothing before re-use.

9. Physical and chemical properties

Form	Solid
Appearance	Powder
Colour	Green
Odour	Odourless
Melting Point	164°C
Solubility in Water	60 g/l (20°C)
pH	2 (2% Solution)
Vapour Pressure	Negligible
Molecular Weight	927.02

10. Stability and reactivity

Reactivity	Stable at room temperature in closed containers under normal storage and handling conditions.
Conditions to Avoid	Incompatible materials.
Incompatible Materials	Strong oxidizing agents. Strong bases. Strong reducing agents.
Hazardous Decomposition Products	Nitrogen oxides (NOx). Carbon monoxide (CO). Carbon dioxide (CO ₂).
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Acute Toxicity - Oral	LD50 Oral Rat 275 mg/kg
Ingestion	Harmful if swallowed.
Inhalation	Based on available data the classification criteria are not met.



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Skin	Based on available data the classification criteria are not met.
Eye	Based on available data the classification criteria are not met.
Respiratory sensitisation	Not classified based on available information.
Skin Sensitisation	Not classified based on available information.
Germ cell mutagenicity	Germ cell mutagenicity - category 2
Carcinogenicity	Not classified based on available information.
Reproductive Toxicity	Reproductive toxicity - category - 2 Suspected human reproductive toxicant Suspected of damaging the unborn child.
STOT-single exposure	Not classified based on available information.
STOT-repeated exposure	Not classified based on available information.
Aspiration Hazard	Not classified based on available information.
Serious eye damage/irritation	h318 Causes serious eye damage.
Mutagenicity	Not classified based on available information.

12. Ecological information

Persistence and degradability	No information available.
Mobility	No information available.
Bioaccumulative Potential	No information available.
Acute Toxicity - Daphnia	EC50 - Daphnia magna (Water flea) - 0.29 mg/l - 48 h

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	Class 6 Poisonous (toxic) substances shall not be loaded in a vehicle with: - Class 1 Explosives - Foodstuffs and foodstuff empties - Class 3 Flammable liquids - Class 5. 1 Oxidizing agents (when Class 6 subst. capable of burning) - Class 5. 2 Organic peroxides (when Cl. 6 subst. capable of burning)
U.N. Number	2811
UN proper shipping name	TOXIC SOLID, ORGANIC, N.O.S.
Transport hazard class(es)	6.1
Hazchem Code	2X
Packaging Method	3.8.6.1
Packing Group	III
EPG Number	6B5
IERG Number	36

15. Regulatory information

Regulatory Information	Listed in the Australian Inventory of Chemical Substances (AICS). Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
Poisons Schedule	S6
Hazard Category	Harmful,Irritant,Dangerous for the environment

16. Other Information



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Paul McCarthy Ph. (08) 8440 2000

**Contact
Person/Point**

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**Empirical Formula &
Structural Formula**Structural Formula: C₅₀H₅₂N₄O₈.C₂H₂O₄

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