

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Material Name: Basic green 4/ Malachite Green Oxalate, certified C.I. #42000
Catalogue Number: C082, C0821, C0825.
Other Names: C.I. 42000; Acryl Brilliant Green; Aniline Green; China Green; Fast Green; Victoria Green; Basic Green 4.
Recommended Use: For use in hospital and pathology laboratories only as a microbiological staining solution.

Supplier Name: ProSciTech
Street Address: 1/11 Carlton Street, Kirwan, Qld. 4817 Australia
Telephone Number: (07) 4773 9444 **Fax Number:** (07) 4773 2244
Emergency Contact: (07) 4773 9444 8:30am – 5:00pm, Monday to Friday

SECTION 2 - HAZARDS IDENTIFICATION

Hazard Classification: Hazardous according to criteria of NOHSC.
Hazardous and/or Dangerous Nature: HAZARDOUS SUBSTANCE. DANGEROUS GOODS.
Risk Phrases: R 22 Harmful if swallowed.
R 41 Risk of serious damage to eyes.
R 63 Possible risk of harm to the unborn child.
Safety Phrases: S 2 Keep out of reach of children.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 36/37 Wear suitable protective clothing and gloves.
S 39 Wear eye/face protection.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE: **Chemical Identity:** Malachite Green Oxalate
Common Name(s): C.I. 42000; Acryl Brilliant Green; Aniline Green; China Green; Fast Green; Victoria Green; Basic Green 4.
CAS Number(s): 18015-76-4

MIXTURE:

Ingredients	Cas Number(s)	Proportion (%)
Malachite Green Oxalate	18015-76-4	100

SECTION 4 - FIRST AID MEASURES

Swallowed: If swallowed, DO NOT induce vomiting. Give 3 to 4 glasses of water to drink. Seek medical assistance.
Eye: If material is splashed into eyes, flush with plenty of water for at least 15 minutes, ensuring eye lids are held open. Immediately transport to hospital or doctor.
Skin: If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly soap and water. Get medical attention if irritation develops or persists.
Inhaled: Remove victim to fresh air. Do not use mouth-to-mouth methods if victim inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Administer oxygen if breathing is difficult.

First Aid Facilities: Eyebath/eyewash & Safety shower.

Medical Attention & Special Treatment:

Treat symptomatically.

ADDITIONAL INFORMATION:

In case of poisoning, contact Poisons Information Centre
In Australia call Tel: 131126
In New Zealand Tel: 034747000

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

In case of fire use water spray to cool fire expose containers. Use water spray, dry chemical, carbon dioxide, or appropriate foam. Use agent most appropriate to extinguish fire.

Hazards from Combustion Products:

Fire or heat will produce irritating, toxic and/or corrosive gases.

Precautions for Fire Fighters:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved or equivalent, and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Runoff from fire control or dilution water may cause pollution.

Hazchem Code: Not available.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Containment and clean up:

Use proper personal protective equipment as indicated in Section 8. Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

SECTION 7 - HANDLING & STORAGE

Precautions for Safe Handling:

Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Conditions for Safe Storage:

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards: No exposure standard allocated.

Biological Limit Values: No biological limit allocated.

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower. Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment:

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance: Green powder.

Odour: Odourless.

pH: Not available.

Vapour pressure (mm of Hg at 25°C): Not available.

Vapour density: Not available.

Boiling point/range (°C): Not available.

Freezing/melting point (°C): Not available.

Solubility: Soluble in water.

Specific gravity or density: Not available.

Flash Point: Not available.

Flammable (explosive) limits: Not available.

Ignition temperature: Not available.

Additional Information:

Decomposition Temperature: 164°C.

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions of use.

Conditions to avoid: Incompatible material, excess heat, dust generation, high temperatures.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide oxides of nitrogen, carbon dioxide.

Hazardous Reactions: Has not been reported.

SECTION 11 - TOXICOLOGICAL INFORMATION**Exposure and Health Effects:**

Chronic: May cause fatal effects. Effects may be delayed.

Ingestion:

May cause gastrointestinal irritation with nausea, vomiting and diarrhoea.

Inhalation:

May cause respiratory tract irritation. The toxicological properties of this material have not been fully investigated.

Skin Contact:

May cause skin irritation. Prolonged and/or repeated contact may cause irritation and/or dermatitis.

Eye Contact:

May cause eye irritation. May cause chemical conjunctivitis.

Human/Animal data: Not available.

Carcinogenicity: Not available.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

Persistence and degradability: Not available.

Mobility: Not available.

Additional Information: Not available.

SECTION 13 - DISPOSAL CONSIDERATIONS**Disposal Methods:**

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Advise toxic nature. Normally suitable for disposal by approved waste disposal agent.

Special Precautions:**SECTION 14 - TRANSPORT INFORMATION**

UN Number: UN2811

UN Proper Shipping Name: Toxic solid, organic, N.O.S. Malachite Green Oxalate

Class and Subsidiary risk: 6.1

Packing Group: PG III

Special Precautions for User: Not available.

Hazchem Code: Not available.

SECTION 15 - REGULATORY INFORMATION

Poison Schedule Number: None allocated.

SECTION 16 - OTHER INFORMATION

Date of preparation of MSDS: August 10

Comments:

The information published in this Material Safety Data Sheet has been compiled from data in various technical publications. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. We reserve the right to revise material Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.