

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Material Name: Methyl Green
Catalogue Number: C125; C1251; C1255.
Other Names: Benzenaminum; 4-4-(dimethylamino)phenyl4-(dimethyliminio)-2; 5cyclohexadien-1-ylidenemethyl-n-ethyl-n; n-dimetyl-,bromide chloride; Iodin Green (Griesbach).
Recommended Use: Used as a biological stain.

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

SECTION 2 - HAZARDS IDENTIFICATION

Hazard Classification:
 Not classified as hazardous according to criteria for Classifying Hazardous Substances [NOHSC:1008].
Hazardous and/or Dangerous Nature:
 NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.
Risk Phrases:
 Not assigned.
Safety Phrases:
 S24/25: Avoid contact with skin and eyes.

Refer to Section 15 for Poisons Schedule.

SECTION 3 - COMPOSITION /INFORMATION ON INGREDIENTS

Pure Substance (Proportion 100%):
Chemical Identity: Methyl Green.
Common Name(s): Benzenaminum; 4-4-(dimethylamino)phenyl4-(dimethyliminio)-2; 5cyclohexadien-1-ylidenemethyl-n-ethyl-n; n-dimetyl-,bromide chloride; Iodin Green (Griesbach).
CAS Number: 14855-76-6

SECTION 4 - FIRST AID MEASURES

Ingestion: If victim is conscious and alert, give 2-4 cupfuls water or milk to drink. Do NOT induce vomiting. NEVER give anything by mouth to an unconscious person. Get medical attention if irritation or symptoms appear.
Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.
Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
Skin Contact: In case of contact, flush skin with plenty of water for at least 15 minutes while removing contaminated clothes and shoes. Get medical attention if irritation develops or persists.
First Aid Facilities: Eyebath/eyewash, Safety shower & general washroom facilities.
Medical Attention & Special Treatment:
 Treat symptomatically and supportively.
Additional Information:
 Not available.

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media:
 In case of fire use water spray to cool fire expose containers. Use agent most appropriate to extinguish fire.
Hazards from Combustion Products:
 Hydrogen chloride, carbon monoxide, nitrogen oxides, carbon dioxide.
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.
Hazchem Code: Not available.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Use proper personal protective equipment as indicated in Section 8.

Containment & Clean up:

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. Avoid ingestion and inhalation.

Precautions for Safe Storage:

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

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 EN 166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing (Lab Coat) to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Dark reddish brown crystalline powder.
Odour:	Not available.
pH:	Not available.
Vapour pressure (mm of Hg at °C):	Not available.
Vapour density:	Not available.
Boiling point/range (°C):	Not available.
Freezing/melting point (°C):	Not available.
Solubility:	Soluble in water, slightly soluble in alcohol, practically insoluble in methylene chloride and ether.
Specific gravity or density:	Not available.
Flash Point:	Not available.
Flammable (explosive) limits:	Not available.
Ignition temperature:	Not available.
Chemical Formula:	$(C_{26}H_{33}C_2N_3)_n \cdot xZnCl_2$
Molecular Weight:	516.95

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions of use.

Conditions to avoid: Contact with Incompatible Materials.

Incompatible Materials: Oxidizing agents.

Hazardous Decomposition Products:

Hydrogen chloride, carbon monoxide, nitrogen oxides, carbon dioxide.

Hazardous Reactions: Has not been reported.

SECTION 11 - TOXICOLOGICAL INFORMATION

Exposure and Health Effects:

To the best of our knowledge the toxicological properties of this material have not been fully investigated.

Ingestion:

May cause digestive tract irritation.

Inhalation:

May cause respiratory tract irritation.

Eye Contact:

May cause eye irritation.

Skin Contact:

May cause skin irritation.

Human/Animal data: Not available.

Carcinogenic Category: No data available to classify Carcinogenic Category.

Other Carcinogenic Not available.

Information:**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:**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Special Precautions/Additional Informational:

Not available.

SECTION 14 - TRANSPORT INFORMATION

UN Number: Not regulated.

UN Proper Shipping Name: Not regulated.

Class and Subsidiary risk: Not regulated.

Packing Group: Not regulated.

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: October 11

Comments:**List of Publications referenced when creating this MSDS;**

- Hazardous Substances Information System Consolidated Lists: Safe Work Australia.
- APPROVED CRITERIA FOR CLASSIFYING HAZARDOUS SUBSTANCES [NOHSC:1008(2004)] 3rd Edition: National Occupational Health and Safety Commission.
- Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:1997).
- IATA Dangerous Goods Regulations.
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)].
- Australia Standard for the Uniform Scheduling of Drugs and Poisons [SUSPD] (Australian Government Department of Health and Ageing).

This Material Safety Data Sheet (MSDS) has been prepared in compliance with the National code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. The information published in this MSDS has been compiled from the publications listed in Section 16: to the best of our ability and knowledge these publications are considered accurate. We reserve the right to revise Material Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.

... End of MSDS ...