HURST SCIENTIFIC

Safety Data Sheet
Haematoxylin Mayers Modified non toxic

SECTION 1: Identification

1.1 GHS Product identifier

Product name	Haematoxylin Mayers Modified non toxic
Product number	MHMNT-500M, 1L, 2.5L, 5L
Brand	Hurstchem

1.3 Recommended use of the chemical and restrictions on use

Laboratory Reagent

1.4 Supplier's details

Name	Hurst Scientific
Address	2/36 Hensbrook Loop 6112 Forrestdale WA Australia
Telephone	1300 778 068
email	sales@hurstscientific.com.au

1.5 Emergency phone number

Australian Emergency Services: 000 (24 hours)
Australian Poisons Information Centre: 131 126 (24 hours)

SECTION 2: Hazard identification

General hazard statement
Classified as a **NON-Hazardous** substance according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.
Classified as a **NON-Dangerous goods** according to the ADG Code for the Transport of Dangerous Goods by Road and Rail (7th Edition).

2.1 Classification of the substance or mixture

GHS classification in accordance with: Model WHS Regulations 2016

Not a hazardous substance or mixture.

2.2 GHS label elements, including precautionary statements.

Not a hazardous substance or mixture.

2.3 Other hazards which do not result in classification.

Not a hazardous substance or mixture.

SECTION 3: Composition/information on ingredients

Chemical Name	CAS	Concentration
Water	**7732-18-5**	**Balance**
Glycerol	**56-81-5**	**20%**
Ethanol	**64-17-5**	**10%**
Aluminium Potassium Sulphate Dodecahydrate	**7784-24-9**	**<10%**
Hematoxylin	**517-28-2**	**<1%**
Sodium iodate	**7681-55-2**	**<1%**

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

If inhaled	Evacuate to fresh air immediately. If irritation develops seek medical attention. If breathing stops apply artificial respiration.
In case of skin contact	Remove contaminated clothing and wash affected area with soap and water thoroughly. If irritation develops, seek medical attention.
In case of eye contact	Flush eyes with copious amounts of water for at least 15 minutes. If irritation develops or persists, seek medical attention.
If swallowed	DO NOT induce vomiting. Rinse with water and seek immediate medical attention.

Personal protective equipment for first-aid responders

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media
Use media suitable for other material involved in fire.

5.2 Specific hazards arising from the chemical.
Toxic gases may evolve.

5.3 Special protective actions for fire-fighters
Wear SCBA (Self-Contained Breathing Apparatus) and full protective equipment.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures
Wear appropriate protective clothing. Ensure adequate ventilation. If possible, contain the spill.

6.3 Methods and materials for containment and cleaning up.
Absorb with vermiculite or other inert material and place into a suitably labelled container. Dispose of waste according to local authority guidelines. Do not contaminate drains or waterways.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Use only in an adequately ventilated area. Wear appropriate protective clothing to avoid any exposure and practice good personal hygiene.

7.2 Conditions for safe storage, including any incompatibilities.
Store in a cool, dry, well-ventilated area away from direct sunlight. Keep containers tightly closed.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Glycerin (CAS: 56-81-5)
PEL (Inhalation): PNOR (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): See Appendix D (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 15 mg/m3 (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 10 mg/m3 (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m3 (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m3 (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

TWA (Inhalation): 10 mg/m3; Australia (AU/SWA)
Notes: (a)

2. Glycerol (CAS: 56-81-5)
PEL (Inhalation): PNOR (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): See Appendix D (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 15 mg/m3 (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 10 mg/m3 (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m3 (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m3 (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

TWA (Inhalation): 10 mg/m3; Australia (AU/SWA)
Notes: (a)

3. Ethanol (CAS: 64-17-5)
PEL (Inhalation): 1000 ppm (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 1900 mg/m3 (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 1000 ppm (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 1000 ppm (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

TWA (Inhalation): 1000 ppm; 1880 mg/m3; Australia (AU/SWA)

8.2 Appropriate engineering controls
Ensure adequate ventilation and ventilation if required.

8.3 Individual protection measures, such as personal protective equipment (PPE)

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

Eye/face protection
Safety glasses or chemical safety goggles.

Skin protection
Chemical resistant gloves and laboratory coat.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Liquid
Appearance	Dark red liquid
Odor	Mild
Odor threshold	Not available
Melting point/freezing point	<0^{o}C
Boiling point or initial boiling point and boiling range	>100^{o}C
Flammability	Non-flammable
Lower and upper explosion limit/flammability limit	Not applicable
Solubility	Water Soluble

SECTION 10: Stability and reactivity

10.1 Reactivity
Non-reactive under recommended conditions for use and storage.

10.2 Chemical stability
Stable under recommended conditions for use and storage.

10.3 Possibility of hazardous reactions
Polymerisation not expected to occur.

10.4 Conditions to avoid.
Heat and incompatibles.

10.5 Incompatible materials
Oxidising agents, strong acids and alkalis.

10.6 Hazardous decomposition products
Toxic gases may evolve.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
Eye Contact: Can cause irritation, redness, lacrimation, and pain.
Skin Contact: Can cause irritation, redness, and itching.
Inhalation: Can cause irritation to the mucous membranes of the upper respiratory tract.
Ingestion: Can cause irritation and discomfort resulting in nausea, vomiting, abdominal pain and diarrhoea.

Skin corrosion/irritation
No classification.

Serious eye damage/irritation
No classification.

Respiratory or skin sensitization
No classification.

Germ cell mutagenicity
No classification.

Carcinogenicity
Not an IARC listed chemical.

Reproductive toxicity
No classification.

Specific target organ toxicity (STOT) - single exposure.
No classification.

Specific target organ toxicity (STOT) - repeated exposure.
No classification.

Aspiration hazard
No classification.

Additional information
TOXICITY DATA: Not available for this product.

SECTION 12: Ecological information

Toxicity
Not available.

Persistence and degradability
Not available.

Mobility in soil
Not available.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Dispose of in accordance with local authority guidelines.

Other disposal recommendations
Do not contaminate drains and waterways.

SECTION 14: Transport information

DOT (US)
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

SECTION 15: Regulatory information

15.2 Chemical Safety Assessment
Not scheduled.

SECTION 16: Other information

References
1. Safe Work Australia, Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, (2011).
2. Safe Work Australia, National Code of Practice for the Labelling of Workplace Hazardous Chemicals (2015).
3. Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants (2013)
4. National Transport Commission Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code); Can print: Canberra (2007), Volume 1, 7th Edition.
5. Standards Australia, Dangerous Goods Initial Emergency Response Guide: Australian Handbook (SAA/SNZ HB76); Homebush (2004).

16.1 Further information/disclaimer
This SDS is prepared in accordance with the Safe Work Australia, Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, (2011). The information contained within is believed to be accurate at the date of preparation/review. Hurst Scientific makes no claims of the accuracy or completeness of the information and excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. It is recommended the user make their own determinations as to the suitability of the information provided to the application in which the product is to be used.

16.2 Preparation information