

MATERIAL SAFETY DATA SHEET

Haematoxylin, Mayer's

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STATEMENT OF HAZARDOUS NATURE

Hazardous according to criteria of Worksafe Australia

COMPANY DETAILS

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IDENTIFICATION SECTION

Product Name	Mayer's Haematoxylin
Other Names	Haematoxylin solution, Mayer's formulation
Product Code	AMH-1L, AMH-500
U.N. Number	None allocated
Dangerous Goods Class and Subsidiary Risk	None allocated
Hazchem Code	None allocated
Poison Schedule	None allocated
Use	Use in hospital and pathology laboratories only

Physical Description and Properties

Appearance	Dark Red Liquid
Boiling Point/Melting Point	100°C / 0°C
Vapour Pressure	23hPa @20°C
Specific Gravity	1L = 1.01kg
Flash Point	
Flammability Limits	Not determined
Solubility in water	Soluble in all proportions

Other Properties

Ingredients

Chemical Name	CAS Number	Proportion
Haematoxylin C.I. 75290	517-28-2	0.1%
Aluminium Potassium Sulphate	7784-24-9	5%
2,2,2-TRICHLOROETHANE-1,1-DIOL	302-17-0	3%
CITRIC ACID (Below cutoff)	77-29-9	0.1%
SODIUM IODATE	7681-55-2	0.01%
WATER AND OTHER NON-HAZARDOUS SUBSTANCES	Mixture	90.3%

Haematoxylin, Mayer's**HEALTH HAZARD INFORMATION****Health Effects:***Acute*

Swallowed:	Harmful if swallowed. May cause irritation to mouth, throat and stomach with effects including mucous build up, irritation to the tongue and lips and pains in the stomach.
Eye:	May cause irritation to the eyes, with effects including: tearing, pain, stinging and blurred vision.
Skin:	May cause irritation to the skin, with effects including: Redness and itchiness.
Inhaled:	May cause irritation to the nose, throat and respiratory system with effects including: Dizziness, headache and possible confusion.

Chronic: Prolonged or repeated skin contact may lead to dermatitis. Prolonged or repeated exposure may lead to irreversible damage to health.

First Aid:

Swallowed:	If swallowed, induce vomiting. If victim is conscious give water. If sickness persists transport to hospital or doctor.
Eye:	If material is splashed into eyes, immediately flush with plenty of water for 15 minutes, ensuring eye lids are held open. If irritation persists transport to hospital or doctor.
Skin:	If material is splashed onto skin, remove any contaminated clothing and wash skin thoroughly with water and soap if available. If irritation persists, transport to hospital or doctor.
Inhaled:	Move victim to fresh air. Apply resuscitation if victim is not breathing - If trained personnel are available, administer oxygen should breathing prove difficult.
First Aid Facilities:	Eye wash fountain, safety shower and normal wash room facilities.
Advice to Doctor	Treat symptomatically.

PRECAUTIONS FOR USE

Exposure Standards:	No exposure details available
Engineering Controls:	Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate unless the material is heated, reacted or otherwise changed in some type of chemical reaction, then the use of a local exhaust ventilation system is recommended.
Personal Protection:	Full protective clothing is recommended. PVC or natural rubber gloves and apron or splash suit should be worn. The use of chemical goggles or face shield to protect eyes is recommended. Avoid breathing of vapours/gases. Select and use respirators in accordance with AS/NZS 1715/1716. The use of a P1 dust mask (disposable) or with replaceable filters is recommended. Filter capacity and respirator type depends on exposure levels and type of contaminant. If entering spaces where the airborne concentration of a contaminant is unknown then the use of a Self-contained breathing apparatus (SCBA) with positive pressure air supply complying with AS/NZS 1715/1716, or any other acceptable International Standard is recommended.
Flammability:	This material is not a flammable or combustible liquid.

SAFE HANDLING INFORMATION

Storage and Transport:	Store in a cool place and out of direct sunlight. Store away from sources of heat or ignition. Store away from oxidizing agents. Keep containers closed, when not using the product. Store in original packages as approved by manufacturer.
Spills and Disposal:	Material may be slippery when spilt. Walk cautiously. Ventilate area. Wear protective equipment to prevent skin and eye contact, as outlined under

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personal protection in this MSDS. Bund area using sand or soil - to prevent run off into drains and waterways. Use absorbent (soil, sand, vermiculite or other inert material). Collect and seal in properly labeled containers for disposal. Remainder of material can be washed to drain with plenty of water.

Fire/Explosion Hazard:

If safe to do so, move undamaged containers from fire area.

Hazardous Decomposition Products: Decomposes on heating emitting oxides of carbon. Fire Fighting Procedures: Fire fighters to wear Self-contained breathing apparatus (SCBA) in confined spaces, in oxygen deficient atmospheres or if exposed to products of decomposition. Full protective clothing is also recommended. Extinguishing Media: Use extinguishing media suitable for surrounding fire situation.

OTHER INFORMATION**Incompatibilities**

(Materials to avoid)

Animal Toxicity Data:

Strong alkalis, acids, oxidizing agents.

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.