

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Material Name:** Haematoxylin, Harris, single strength.  
**Catalogue Number:** AHH-1L  
**Other Names:** Haematoxylin Harris; Harris Haematoxylin.  
**Recommended Use:** Used as a Histopathology stain for invitro diagnostic use in Hospital and Pathology laboratories only.

**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 classified.

**Safety Phrases:**

S23: Do not breathe spray

S26: In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.

S36: Wear suitable protective clothing.

*Refer to Section 15 for Poisons Schedule.*

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

**Mixture Substance:**

<i>Ingredients</i>	<i>Cas Number(s)</i>	<i>Proportion (%)</i>
Purified Water	7732-18-5	> 60
Aluminium Potassium Sulphate	778424-9	1-10
Haematoxylin C.I. 75290 (Below Cutoff)	517-28-2	< 1
Sodium Iodate	7681-55-2	< 1
Ethanol	64-17-5	< 1

## SECTION 4 - FIRST AID MEASURES

**Ingestion:** If swallowed, DO NOT induce vomiting. If victim is conscious give water. If sickness persists transport to hospital or doctor.

**Inhalation:** Open all doors, windows and/or vents. Move victim to fresh air. Apply resuscitation if victim is not breathing - If trained personnel available administer oxygen if breathing is difficult.

**Eye Contact:** If material is splashed into eyes, immediately, flush with plenty of water for 15 minutes, ensuring eyelids are held open. If irritation persists transport to hospital or doctor.

**Skin Contact:** If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly with water and soap if available. If irritation persists transport to hospital or doctor.

**First Aid Facilities:** Eyebath/eyewash, Safety shower & general washroom facilities.

**Medical Attention & Special Treatment:**  
Treat symptomatically.

## SECTION 5 - FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:**

Use extinguishing media suitable for surrounding fire situation.

**Hazards from Combustion Products:**

Decomposes on heating emitting soot, smoke and decomposition products.

**Precautions for Fire Fighters:**

If safe to do so, move undamaged containers from fire area. This material is not a flammable or combustible liquid. 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.

**Hazchem Code:**

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### Containment & Clean up:

Material may be slippery when spilt. Walk cautiously. Ventilate area. Wear protective equipment to prevent skin and eye contact, as outlined under 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.

## SECTION 7 - HANDLING & STORAGE

### Precautions for Safe Handling:

Wear appropriate protective equipment to prevent contact while handling. Use in a well ventilated area. When not using the product, keep the container sealed. Practice good work hygiene (wash hands thoroughly after use).

### Precautions for Safe Storage:

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.

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

**National Exposure Standards:** *Haematoxylin C.I. 75290 (Below Cutoff): No exposure standard allocated.*

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*Aluminium Potassium Sulphate: No exposure standard allocated.*

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*Sodium Iodate: No exposure standard allocated.*

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*Methylated Spirits:*

*Worksafe Australia - [TWA]1,000 ppm; [TWA]1,880 mg/m<sup>3</sup>*

*ACGIH - [TWA]1,000 ppm; [TWA]1,880 mg/m<sup>3</sup>*

*Carcinogen Category: A4*

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*Water: No exposure standard allocated.*

### 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 Protective Equipment:

CLOTHING: PVC or natural rubber apron or splash suit.

GLOVES: PVC or natural rubber.

EYES: Chemical goggles or face shield to protect eyes.

RESPIRATORY PROTECTION: 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.

## SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance:</b>	Red - Purple liquid.
<b>Odour:</b>	Not available.
<b>pH:</b>	Not available.
<b>Vapour pressure (mm of Hg at °C):</b>	23hPa @ 20°C.
<b>Vapour density:</b>	Not available.
<b>Boiling point/range (°C):</b>	105°C.
<b>Freezing/melting point (°C):</b>	-5°C.
<b>Solubility:</b>	Soluble in all proportions
<b>Specific gravity or density:</b>	1mL = 1g.
<b>Flash Point:</b>	Not available.
<b>Flammable (explosive) limits:</b>	Not available.
<b>Ignition temperature:</b>	Not available.

**SECTION 10 - STABILITY AND REACTIVITY**

**Chemical stability:** Stable under normal conditions of use.  
**Conditions to avoid:** Heat, flames, ignition sources and incompatibles.  
**Incompatible Materials:** Strong alkalis, acids, oxidizing agents.  
**Hazardous Decomposition Products:**  
 Emits smoke and fumes when heated to decomposition.  
**Hazardous Reactions:** Will not occur.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

**Exposure and Health Effects:**  
 Prolonged or repeated skin contact may lead to dermatitis.  
**Ingestion:**  
 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.  
**Inhalation:**  
 May cause irritation to the nose, throat and respiratory system with effects including: Dizziness, headache and possible confusion.  
**Eye Contact:**  
 May cause irritation to the eyes, with effects including: tearing, pain, stinging and blurred vision.  
**Skin Contact:**  
 May cause irritation to the skin, with effects including; Redness and itchiness.  
**Human/Animal data:** Not available.  
**Carcinogenic Category:** Group 4: Probably not carcinogenic to humans.  
**Other Carcinogenic Information:** Not available.

**SECTION 12 – ECOLOGICAL INFORMATION**

**Ecotoxicity:** This substance may cause long term adverse effects in the aquatic environment.  
**Persistence and degradability:** This substance may cause long term adverse effects in the environment

**SECTION 13 - DISPOSAL CONSIDERATIONS**

**Disposal Methods:**  
 Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to an approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

**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 regulated.  
**Hazchem Code:** Not available.

**SECTION 15 - REGULATORY INFORMATION**

**Poison Schedule Number:** None Allocated.

**SECTION 16 - OTHER INFORMATION**

**Date of preparation of MSDS:** 10 January 2012

**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 2<sup>nd</sup> 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 ...**