UN GHS REVISION 7

# Safety Data Sheet
# Harris Haematoxylin

Version 1.0, Date of issue: 2026-08-28

## SECTION 1: Identification

### 1.1 GHS Product identifier

| | |
|---|---|
| **Product name** | Harris Haematoxylin |
| **Product number** | HH/HHPR/HHNT-1L/2.5L/500M/5L/10LB |
| **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 Transit Place, 6112 Forrestdale WA, Australia |
| **Telephone** | 1300 778 068 |
| **email** | sales@hurstscientific.com.au |

### 1.5 Emergency phone number

Australian Poisons Information Centre 13 11 26

Australian Emergency Services 000

## SECTION 2: Hazard identification

### General hazard statement

Not classified as a Hazardous substance according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as 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: UN GHS revision 7**

Not classified as hazardous under the WHS Regulations (UN GHS revision 7).

### 2.2 GHS label elements, including precautionary statements

| | |
|---|---|
| **Pictograms** | Not applicable |
| **Signal word** | Not applicable |

**Hazard statement(s)**

None.

**Precautionary statement(s)**

None.

### 2.3 Other hazards

No information available on PBT / vPvB status or endocrine disrupting properties.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

**Hazardous components**

| Component | Concentration |
|---|---|
| **Haematoxylin (CAS: 517-28-2)** | **≥ 0.1 – < 0.99%** |
| **CLASSIFICATIONS:** Acute Toxicity (Oral), Cat. 4; Skin Corrosion/Irritation, Cat. 2; Serious Eye Damage/Irritation, Cat. 2A; STOT – Single Exposure (respiratory irritation), Cat. 3. **HAZARDS:** H302 - Harmful if swallowed; H315 - Causes skin irritation; H319 - Causes serious eye irritation; H335 - May cause respiratory irritation. | |
| **Ethanol (CAS: 64-17-5)** | **≥ 0.1 – < 0.99%** |
| **CLASSIFICATIONS:** Flammable Liquid, Cat. 2; Serious Eye Damage/Irritation, Cat. 2A. **HAZARDS:** H225 - Highly flammable liquid and vapour; H319 - Causes serious eye irritation. | |
| **Sodium iodate (CAS: 7681-55-2)** | **≥ 0.1 – < 0.99%** |
| **CLASSIFICATIONS:** Acute Toxicity (Oral), Cat. 4; STOT – Single Exposure, Cat. 2. **HAZARDS:** H302 - Harmful if swallowed; H371 - May cause damage to organs. | |
| **Water (CAS: 7732-18-5)** | **Remainder** |
| **Aluminium potassium sulphate dodecahydrate (CAS: 7784-24-9)** | **7.67%** |

## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

**Eye contact**

Flush eyes with copious amounts of water for at least 15 minutes. If irritation develops or persists, seek medical attention.

**Skin contact**

Remove contaminated clothing and wash affected area with soap and water thoroughly. If irritation develops, seek medical attention.

**Inhalation**

Evacuate to fresh air immediately. If unconscious, place in recovery position and provide artificial respiration if breathing ceases. Seek medical attention.

**Ingestion**

DO NOT induce vomiting. Wash mouth out with copious amounts of water and seek medical attention.

**First-aid facilities**

Eye wash station, safety shower and First Aid kit.

### 4.2 Most important symptoms and effects, both acute and delayed

The most important symptoms and effects are described in Section 2 (hazard statements) and Section 11 (toxicological information).

### 4.3 Indication of immediate medical attention and special treatment needed

Treat symptomatically. For advice, contact the Poisons Information Centre (Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

## SECTION 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

Use an extinguishing medium suitable for the surrounding fire and other material involved. Water spray, dry chemical powder, carbon dioxide or foam.

### 5.2 Specific hazards arising from the chemical

Combustion may produce toxic and irritating gases.

### 5.3 Special protective actions for fire-fighters

Fire fighters should wear self-contained breathing apparatus (SCBA) operated in positive-pressure mode and full protective clothing. Fight the fire from a safe location.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid contact with skin and eyes. Wear suitable protective equipment (see Section 8). Evacuate non-essential personnel from the area.

### 6.2 Environmental precautions

Prevent the spill from entering drains, sewers and waterways. In the event of a major spill, contain the material and notify the relevant authorities.

### 6.3 Methods and materials for containment and cleaning up

Contain the spill and prevent entry into drains, sewers and waterways. Absorb with inert absorbent material (e.g. sand, vermiculite or earth) and transfer to a suitable, labelled container for disposal. Rinse the affected area with water. Dispose of in accordance with Section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area. Keep containers tightly closed and upright when not in use. Store away from incompatible materials (see Section 10). Inspect containers regularly for damage or leaks.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

**Haematoxylin** (CAS: 517-28-2)
AU/SWA (AU): No occupational exposure limit established.

**Ethanol** (CAS: 64-17-5)
AU/SWA (AU): TWA: 1000 ppm (1880 mg/m³)

**Sodium iodate** (CAS: 7681-55-2)
AU/SWA (AU): No occupational exposure limit established.

**Water** (CAS: 7732-18-5)
AU/SWA (AU): No occupational exposure limit established.

**Aluminium potassium sulphate dodecahydrate** (CAS: 7784-24-9)
AU/SWA (AU): TWA: 2 mg/m³ (as Al)

### 8.2 Appropriate engineering controls

Ensure an adequate ventilation or exhaust system is in place.

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

**Eye/face protection**

The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standard AS 1337 and be selected and used in accordance with AS 1336.

**Skin protection**

Clean impervious clothing should be worn. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

**Hand protection**

Use occupational protective gloves complying with AS 2161 (Selection, Use and Maintenance).

**Respiratory protection**

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapour/mist filter should be used. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

## SECTION 9: Physical and chemical properties

### Basic physical and chemical properties

| | |
|---|---|
| Physical state | Liquid |
| Appearance | Liquid |
| Colour | No data available |
| Odour | Slight, characteristic |
| Odour threshold | No data available |
| Melting point/freezing point | No data available |
| Boiling point or initial boiling point and boiling range | 100 °C |
| Flammability | No data available |
| Lower and upper explosion limit/flammability limit | No data available |
| Flash point | No data available |
| Explosive properties | No data available |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
| Oxidising properties | No data available |
| pH | 2.5 |
| Kinematic viscosity | No data available |
| Solubility | No data available |
| Partition coefficient n-octanol/water (log value) | No data available |
| Vapour pressure | 23 hPa |
| Evaporation rate | No data available |
| Density and/or relative density | 1 g/mL |
| Relative vapour density | No data available |
| Particle characteristics | No data available |
| Supplemental information regarding physical hazard classes | No data available |
| Further safety characteristics (supplemental) | No data available |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under normal conditions of storage and handling.

### 10.2 Chemical stability

Stable at ambient temperature and under normal conditions of use.

### 10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

### 10.4 Conditions to avoid

Heat, sparks, open flames and other sources of ignition.

### 10.5 Incompatible materials

Strong oxidising agents, strong alkalies and acids.

### 10.6 Hazardous decomposition products

Smoke and fumes.

## SECTION 11: Toxicological information

### Information on toxicological effects

**Acute toxicity**
7060 mg/kg (rat, LD50 oral) (Ethanol); 20000 ppm/10H (rat, LC50 inhalation) (Ethanol)

**Skin corrosion/irritation**
Not expected to be a skin irritant.

**Serious eye damage/irritation**
Not expected to be an eye irritant.

**Respiratory or skin sensitisation**
Not expected to be a respiratory or skin sensitiser.

**Germ cell mutagenicity**
Not considered to be a mutagenic hazard.

**Carcinogenicity**
Not considered to be a carcinogenic hazard.

**Reproductive toxicity**
Not considered to be toxic to reproduction.

**Specific target organ toxicity (STOT) - single exposure**
Not expected to cause toxicity to a specific target organ.

**Specific target organ toxicity (STOT) - repeated exposure**
Not expected to cause toxicity to a specific target organ through repeated exposure.

**Aspiration hazard**
Not expected to be an aspiration hazard.

## SECTION 12: Ecological information

**Toxicity**
May cause long term adverse effects in the environment. May cause long-term adverse effects in the aquatic environment

**Persistence and degradability**
AEROBIC: Ethanol was shown to biodegrade under aerobic conditions in various screening tests using different types of inocula and incubation periods. 5 Day Theoretical BOD values were 37-86%. Biodegradation of 3, 7 and 10 mg/L ethanol with non-acclimated filtered sewage seed in fresh water resulted in an average Theoretical BOD of 74% in 5 days and 84% in 20 days; in salt water 45% of the Theoretical BOD was reached in 5 days and 75% was reached in 20 days. Ethanol rapidly degraded in soil forming formaldehyde and acetic acid along with carbon dioxide and water. Ethanol, present at 100 mg/L, reached 89% of its Theoretical BOD in 2 weeks using an activated sludge inoculum at 30 mg/L in the Japanese MITI test. Ethanol, present at 100 mg/L, was completely degraded in 5-8 days in aerobic microcosms prepared from low organic (0.2% organic carbon) sandy aquifer material at pH 5.2 and prepared with 20 mg/L of either benzene, toluene or o-xylene

**Bioaccumulative potential**
An estimated BCF of 3 was calculated in fish for ethanol, using a log Kow of -0.31 and a regression-derived equation. According to a classification scheme, this BCF suggests the potential for bioconcentration in aquatic organisms is low

**Mobility in soil**
No data available

**Results of PBT and vPvB assessment**
No data available

**Endocrine disrupting properties**
No data available

**Other adverse effects**
No data available

## SECTION 13: Disposal considerations

**Product disposal**

Dispose of in accordance with local authority guidelines.

**Packaging disposal**

Dispose of in accordance with local authority guidelines.

**Waste treatment**

Dispose of in accordance with local authority guidelines.

**Sewage disposal**

Do not contaminate drains and waterways.

**Other disposal recommendations**

Nil.

## SECTION 14: Transport information

**ADG (Australian Dangerous Goods Code, 7th Edition)**

Not classified as dangerous goods according to the ADG Code for the Transport of Dangerous Goods by Road and Rail (7th Edition).

**IMDG (International Maritime Dangerous Goods Code)**

Not classified as dangerous goods according to the IMDG Code.

**IATA (International Air Transport Association Dangerous Goods Regulations)**

Not classified as dangerous goods according to the IATA Dangerous Goods Regulations.

## SECTION 15: Regulatory information

**15.1 Safety, health and environmental regulations specific for the product in question**

**Haematoxylin (CAS: 517-28-2)**

Australia SUSMP — Poison Schedule: Not Scheduled (NS)

**Ethanol (CAS: 64-17-5)**

Australia SUSMP — Poison Schedule: Not Scheduled (NS)

**Sodium iodate (CAS: 7681-55-2)**

Australia SUSMP — Poison Schedule: Not Scheduled (NS)

**Water (CAS: 7732-18-5)**

Australia SUSMP — Poison Schedule: Not Scheduled (NS)

**Aluminium potassium sulphate dodecahydrate (CAS: 7784-24-9)**

Australia SUSMP — Poison Schedule: Not Scheduled (NS)

**15.2 Chemical safety assessment**

No chemical safety assessment has been carried out for this product.

## SECTION 16: Other information

### 16.1 Further information/disclaimer

**References**


1. Safe Work Australia, Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, (June 2023).
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), Volume 1, Edition 7.9 (2023).
5. Standards Australia, Dangerous Goods Initial Emergency Response Guide: Australian Handbook (SAA/SNZ HB76); Homebush (2004).


### 16.2 Preparation information

This SDS is prepared in accordance with the Safe Work Australia, Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, (June 2023). 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 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. Copyright © 2026 Hurst Scientific