



**HURST SCIENTIFIC**

**Safety Data Sheet**  
**Weigert's Iron Haematoxylin B Solution**

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**SECTION 1: Identification**

**GHS Product identifier**

Product name	Weigert's Iron Haematoxylin B Solution
Product number	WEIGB-500M, 1L, 2.5L, 5L
Brand	Hurstchem

**Recommended use of the chemical and restrictions on use**

Laboratory Reagent

**Supplier's details**

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

**Emergency phone number**

Australian Poisons Information Centre 131 126  
Australian Emergency Services 000

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**SECTION 2: Hazard identification**

**General hazard statement**

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 a **NON-Dangerous goods** according to the ADG Code for the Transport of Dangerous Goods by Road and Rail (7th Edition).

**Classification of the substance or mixture**

**GHS classification in accordance with: UN GHS revision 7**

- Skin corrosion/irritation, Cat. 2
- Serious eye damage/eye irritation, Cat. 2A

**GHS label elements, including precautionary statements**

# Safety Data Sheet

## Weigert's Iron Haematoxylin B Solution

### Pictograms



1. Exclamation mark; 2. Corrosion

### Signal word

### Warning

### Hazard statement(s)

H315

Causes skin irritation

H319

Causes serious eye irritation

### Precautionary statement(s)

P264

Wash ... thoroughly after handling.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302+P352

IF ON SKIN: Wash with plenty of water/...

P321

Specific treatment (see ... on this label).

P362

Take off contaminated clothing.

P332+P313

If skin irritation occurs: Get medical advice/attention.

P337+P313

If eye irritation persists: Get medical advice/attention.

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## SECTION 3: Composition/information on ingredients

### Mixtures

### Hazardous components

#### 1. Water

Concentration

Balance

CAS no.

7732-18-5

#### 2. Iron (III), chloride, hexahydrate

Concentration

< 5 %

CAS no.

10025-77-1

#### 3. Hydrochloric acid

Concentration

1 %

CAS no.

7647-01-0

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## SECTION 4: First-aid measures

### Description of necessary first-aid measures

If inhaled

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

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.

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If swallowed

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

Personal protective equipment for first-aid responders

Eye wash station, safety shower and First Aid kit.

#### Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

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## SECTION 5: Fire-fighting measures

#### Suitable extinguishing media

Carbon Dioxide, dry chemical or water spray.

#### Specific hazards arising from the chemical

Toxic gases may evolve.

#### Special protective actions for fire-fighters

Wear SCBA (Self-Contained Breathing Apparatus) and full protective equipment.

#### Further information

Hazchem code: None allocated.

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## SECTION 6: Accidental release measures

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

Wear appropriate protective equipment and ensure adequate ventilation.

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

Absorb with vermiculite or similar and place into a suitably labelled container for later disposal. Wash the affected area with water. Do not contaminate drains or waterways.

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## SECTION 7: Handling and storage

#### Precautions for safe handling

Avoid breathing in mists or vapours. Wear appropriate protective clothing to avoid any exposure and practice good personal hygiene.

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

Store in a cool, dry, well-ventilated area away from incompatibles. Keep containers tightly closed when not in use.

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## SECTION 8: Exposure controls/personal protection

#### Control parameters

##### CAS: 10025-77-1 (EC: 231-729-4)

Iron (III), chloride, hexahydrate  
1mg/m<sup>3</sup> TWA

##### CAS: 7647-01-0 (EC: 231-595-7)

Hydrochloric acid  
5ppm, 7.5mg/m<sup>3</sup> TWA

#### Appropriate engineering controls

Ensure an adequate ventilation or exhaust system is in place.

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

#### Eye/face protection

Safety glasses goggles,.

#### Skin protection

Gloves and laboratory coat.

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## SECTION 9: Physical and chemical properties

### Basic physical and chemical properties

Physical state	Liquid
Color	Pale Yellow
Odor	Slight
Melting point/freezing point	0°C
Boiling point or initial boiling point and boiling range	106°C
Flammability	Non Flammable
Lower and upper explosion limit/flammability limit	Not applicable
pH	Acidic
Solubility	Water soluble
Vapor pressure	Not available
Density and/or relative density	1.3
Relative vapor density	Not available

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## SECTION 10: Stability and reactivity

### Reactivity

Non-reactive under recommended conditions for use and storage.

### Chemical stability

Stable under recommended conditions for use and storage.

### Possibility of hazardous reactions

Polymerisation will not occur.

### Conditions to avoid

Direct sunlight, excessive heat and incompatibles.

### Incompatible materials

Oxidisers, in particular Hypochlorites and Peroxides and Alkalis (Sodium Hydroxide)..

### Hazardous decomposition products

Toxic gases may evolve.

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### HEALTH EFFECTS:

Eye Contact May cause irritation resulting in redness, pain and lacrimation.

Skin Contact May cause irritation resulting in itching and redness.

Inhalation May cause irritation of the respiratory tract.

Ingestion May irritate the mucous membranes of the gastrointestinal tract. Nausea and vomiting may result.

### Skin corrosion/irritation

Irritant.

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**Serious eye damage/irritation**

Irritant.

**Respiratory or skin sensitization**

No classification.

**Germ cell mutagenicity**

No classification.

**Carcinogenicity**

No product contained in this mixture is 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:

Ferric Chloride

LD50: 450 mg/kg (rat)

LD50: 895 mg/kg (mouse)

Hydrochloric Acid

LD50 (rat) 900 mg/kg (Oral)

LC50 (mouse) 1108 ppm/1h (Inhalation)

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## SECTION 12: Ecological information

**Toxicity**

Not available.

**Persistence and degradability**

Not available.

**Bioaccumulative potential**

Not expected to bio-accumulate.

**Mobility in soil**

Not available.

**Other adverse effects**

Do not contaminate drains and waterways.

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## SECTION 13: Disposal considerations

**Disposal methods****Product disposal**

Dispose of in accordance with local authority guidelines.

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### Packaging disposal

Dispose of in accordance with local authority guidelines.

### Other disposal recommendations

Special precautions Nil.

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## SECTION 14: Transport information

UN Number	None
UN Proper Shipping Name	None
Transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None
Transport in bulk according to IMO instruments	None

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## SECTION 15: Regulatory information

### Chemical Safety Assessment

- Poison Schedule: Not scheduled.
- TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

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## SECTION 16: Other information

### Further information/disclaimer

#### 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).

### Preparation 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.

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