



**HURST SCIENTIFIC**

**Safety Data Sheet  
Reticulocyte Stain**

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**SECTION 1: Identification**

**GHS Product identifier**

Product name	Reticulocyte Stain
Product number	RCS-100M, 500ML 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 Transit Place 6112 Forrestdale WA Australia
Telephone	1300 778 068
email	sales@hurstscientific.com.au

**Emergency phone number**

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

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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 8**

**GHS label elements, including precautionary statements**

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**SECTION 3: Composition/information on ingredients**

**Mixtures**

**Hazardous components**

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## Reticulocyte Stain

### 1. METHYLENE BLUE TRIHYDRATE

Concentration < 1 % (weight)  
CAS no. 7220-79-3

### 2. Sodium chloride

Concentration < 1 % (weight)  
CAS no. 7647-14-5

### 3. Potassium oxalate monohydrate

Concentration < 1 % (weight)  
CAS no. 6487-48-5

### 4. Water

Concentration 95 - 100 % (volume), Balance  
EC no. 231-791-2  
CAS no. 7732-18-5

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## SECTION 4: First-aid measures

### 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.

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## SECTION 5: Fire-fighting measures

### Suitable extinguishing media

Use media suitable for other material involved in fire.

### 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.

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## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Wear appropriate protective clothing. Ensure adequate ventilation. If possible contain the spill.

### 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.

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## SECTION 7: Handling and storage

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### Precautions for safe handling

Use only in an adequately ventilated area. 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 direct sunlight. Keep containers tightly closed.

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## SECTION 8: Exposure controls/personal protection

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

#### Eye/face protection

Safety glasses or chemical safety goggles.

#### Skin protection

Chemical resistant gloves and laboratory coat.

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## SECTION 9: Physical and chemical properties

### Basic physical and chemical properties

Physical state	Liquid
Color	Dark Blue
Odor	Not available
Odor threshold	Not available
Melting point/freezing point	Not available
Boiling point or initial boiling point and boiling range	Not available
Flammability	Not available
Lower and upper explosion limit/flammability limit	Not applicable
pH	Not available
Solubility	Not available
Density and/or relative density	Not available

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## SECTION 10: Stability and reactivity

### Reactivity

None known, based on information available

### Chemical stability

Stable under recommended conditions for use and storage.

### Possibility of hazardous reactions

Polymerisation not expected to occur.

### Conditions to avoid

Temperature extremes and direct sunlight.

### Incompatible materials

Strong oxidisers, metals and strong bases.

### Hazardous decomposition products

Toxic gases may evolve.

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

Eye Contact: May cause irritation, redness, lacrimation and pain.

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Skin Contact: May cause irritation, redness and itching.

Inhalation: May 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 data available.

#### Serious eye damage/irritation

No data available.

#### Respiratory or skin sensitization

No data available.

#### Germ cell mutagenicity

No data available.

#### Carcinogenicity

No classification by IARC.

#### Reproductive toxicity

No data available.

#### Specific target organ toxicity (STOT) - single exposure

No data available.

#### Specific target organ toxicity (STOT) - repeated exposure

No data available.

#### Aspiration hazard

No data available.

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## SECTION 12: Ecological information

#### Toxicity

Prevent contamination of drains and waterways.

#### Persistence and degradability

Not available.

#### Bioaccumulative potential

Not expected to bio-accumulate.

#### Mobility in soil

Not available.

#### Other adverse effects

Environmental fate (exposure) 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.

#### Other disposal recommendations

Nil

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## SECTION 14: Transport information

UN Number

None

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### Reticulocyte Stain

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

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#### SECTION 16: Other information

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##### 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); Canprint: Canberra (2007), Volume 1, 7th Edition.
5. Standards Australia, Dangerous Goods Initial Emergency Response Guide: Australian Handbook (SAA/SNZ HB76); Homebush (2004).

##### 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. Point of Care Diagnostics Pty Ltd 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.

##### Preparation information

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