



# Safety Data Sheet

infosafe  
CS: 1.7.2

Page: 1 of 4

Infosafe No™ 3CHIL Issue Date : October 2019 RE-ISSUED by ABS

Product Name : **RETICULOCYTE STAIN**

Not classified as hazardous

## 1. Identification

<b>GHS Product Identifier</b>	RETICULOCYTE STAIN
<b>Product Code</b>	AR
<b>Company Name</b>	AUSTRALIAN BIOSTAIN Pty Ltd
<b>Address</b>	24 - 28 Stratton Drive, Traralgon, Victoria, Australia, 3844 www.australianbiostain.com.au
<b>Telephone/Fax Number</b>	Tel: (03) 5176 2855
<b>Emergency phone number</b>	CHEMCALL (24 hours): 1800 127 406 (Australia) / +64-4-917-9888 (International)
<b>Recommended use of the chemical and restrictions on use</b>	Laboratory reagent.
<b>Other Information</b>	Australian Biostain Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon Australian Biostain Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Australian Biostain Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

## 2. Hazard Identification

<b>GHS classification of the substance/mixture</b>	Not classified as hazardous according to the Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004) 3rd Edition, Safe Work Australia. Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).
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## 3. Composition/information on ingredients

<b>Chemical Characterization</b>	Liquid																														
<b>Ingredients</b>	<table><thead><tr><th><u>Name</u></th><th><u>CAS</u></th><th><u>Proportion</u></th><th><u>Hazard Symbol</u></th><th><u>Risk Phrase</u></th></tr></thead><tbody><tr><td>New Methylene Blue</td><td>6586-05-6</td><td>1 %</td><td></td><td></td></tr><tr><td>Sodium chloride</td><td>7647-14-5</td><td>0.72 %</td><td></td><td></td></tr><tr><td>Trisodium citrate dihydrate</td><td>6132-04-3</td><td>0.6 %</td><td></td><td></td></tr><tr><td>Sodium azide</td><td>26628-22-8</td><td>&lt;0.01 %</td><td></td><td></td></tr><tr><td>Water to make a total of 100%</td><td>7732-18-5</td><td>-</td><td></td><td></td></tr></tbody></table>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>	<u>Hazard Symbol</u>	<u>Risk Phrase</u>	New Methylene Blue	6586-05-6	1 %			Sodium chloride	7647-14-5	0.72 %			Trisodium citrate dihydrate	6132-04-3	0.6 %			Sodium azide	26628-22-8	<0.01 %			Water to make a total of 100%	7732-18-5	-		
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## 4. First-aid measures

<b>Inhalation</b>	Inhalation of any vapours from this product is not likely to present an acute hazard.
<b>Ingestion</b>	Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek medical advice if effects persist.
<b>Skin</b>	Wash with plenty of soap and water. If irritation occurs seek medical advice.
<b>Eye contact</b>	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. If rapid recovery does not occur, obtain medical attention.
<b>First Aid Facilities</b>	Maintain eyewash fountain and safety shower in work area.
<b>Advice to Doctor</b>	Treat symptomatically based on judgement of doctor and individual reactions of the patient.
<b>Other Information</b>	For advice, contact the National Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

## 5. Fire-fighting measures

<b>Hazards from Combustion Products</b>	May liberate toxic fumes in fire.
<b>Specific Methods</b>	This product contains a substantial proportion of water therefore there are no restrictions on the type of extinguishing media which may be used.



# Safety Data Sheet

Infosafe No™	3CHIL	Issue Date : October 2019	RE-ISSUED by ABS
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**Precautions in connection with Fire** Use suitable protective clothing and breathing equipment for surrounding fire.

## 6. Accidental release measures

**Spills & Disposal** No special procedures required.

**Personal Protection** Wear protective clothing specified for normal operations (see Section 8)

**Clean-up Methods - Small Spillages** Absorb with dry earth, sand or other non-combustible material. Use clean nonsparking tools to collect and seal in properly labelled drums for disposal in an area approved by local authority bylaws. Wash area down with excess water to remove residual material.

## 7. Handling and storage

**Precautions for Safe Handling** Do not eat, drink or smoke when using this product. Eye wash facilities and emergency shower must be available when handling this product. Good personal hygiene procedures should be implemented. Take off contaminated clothing and wash it before reuse. Wash promptly with soap and water if skin becomes contaminated.

**Conditions for safe storage, including any incompatibilities** Store in a cool, well ventilated area, out of direct sunlight. Keep containers closed when not in use. Store in original container.

## 8. Exposure controls/personal protection

Occupational exposure limit values	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	

	Sodium azide			0.3	0.11	Peak limitation
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**Other Exposure Information** No exposure standards have been established for this product by Safe Work Australia, however, the TWA exposure standard for dusts/mists not otherwise specified is 10 mg/m3. All atmospheric contamination should be kept to as low a level as is workable. Safe Work Australia has established the above exposure limits for Sodium azide. These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity. The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. PEAK LIMITATION. For some rapidly acting substances and irritants, the averaging of the airborne concentration over an eight-hour period is inappropriate. These substances may induce acute effects after relatively brief exposure to high concentrations and so the exposure standard for these substances represents a maximum or peak concentration to which workers may be exposed. Although it is recognised that there are analytical limitations to the measurement of some substances, compliance with these 'peak limitation' exposure standards should be determined over the shortest analytically practicable period of time, but under no circumstances should a single determination exceed 15 minutes.

**Appropriate engineering controls** Maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods.

**Respiratory Protection** Not normally required.

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

**Hand Protection** Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves - Selection, use and maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments. Avoid skin contact when removing gloves from hands, do not touch the gloves outer surface. Dispose of gloves as hazardous waste.

**Personal Protective Equipment** Personal protective equipment should not solely be relied upon to control risk and should only be used when all other reasonably practicable control measures do not eliminate or sufficiently minimise risk. Guidance in selecting personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.



# Safety Data Sheet

infosafe  
CS: 1.7.2

Page: 3 of 4

Infosafe No™ 3CHIL Issue Date : October 2019 RE-ISSUED by ABS

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**Body Protection** Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

**Hygiene Measures** Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

## 9. Physical and chemical properties

**Form** Liquid

**Appearance** Purple liquid.

**Odour** Odourless

**Boiling Point** ~100 °C

**Solubility in Water** Soluble

## 10. Stability and reactivity

**Chemical Stability** Stable under normal use conditons.

**Conditions to Avoid** None known

**Incompatible Materials** None known

**Hazardous Polymerization** Will not occur.

## 11. Toxicological Information

**Ingestion** No information available.

**Inhalation** Practically non-harmful by inhalation.  
May cause mild irritation to the respiratory tract.

**Skin** May cause mild irritation and redness.

**Eye** May cause mild irritation and possible reddening.

**Carcinogenicity** No evidence of carcinogenic properties.

**Mutagenicity** No evidence of mutagenic properties.

## 12. Ecological information

**Ecotoxicity** The product is believed to not be a dangerous to the environment with respect to mobility, persistency and degradability, bioaccumulative potential, aquatic toxicity and other measures or relating to ecotoxicity.

## 13. Disposal considerations

**Disposal Considerations** Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations.

## 14. Transport information

**Transport Information** Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

## 15. Regulatory information

**Regulatory Information** Listed in the Australian Inventory of Chemical Substances (AICS). Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

**Poisons Schedule** Not Scheduled

## 16. Other Information

**Literature References** 'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia.  
Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 13th. Ed.', Rev., John Wiley and Sons, Inc., NY, 1997.  
National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.', 2007.  
Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals', 2011.  
Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand, 2010.  
Safe Work Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004)]'.



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infosafe  
CS: 1.7.2

Page: 4 of 4

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Safe Work Australia, 'Hazardous Chemical Information System, 2005'.  
Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances (2011)'.  
Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995) 3rd Edition]'.  
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