



# Safety Data Sheet

infosafe  
CS: 1.7.2

Page: 1 of 4

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

Product Name : **FERRIC CHLORIDE SCHMORL'S 1%**

Not classified as hazardous

## 1. Identification

<b>GHS Product Identifier</b>	FERRIC CHLORIDE SCHMORL'S 1%
<b>Product Code</b>	AFECLS
<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>	Classified as non-Hazardous according to the Globally Harmonised System of classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
<b>Signal Word (s)</b>	None.

## 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>Iron (III) chloride hexahydrate</td><td>10025-77-1</td><td>1 %</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>	Iron (III) chloride hexahydrate	10025-77-1	1 %			Water to make a total of 100%	7732-18-5	-		
<u>Name</u>	<u>CAS</u>	<u>Proportion</u>	<u>Hazard Symbol</u>	<u>Risk Phrase</u>												
Iron (III) chloride hexahydrate	10025-77-1	1 %														
Water to make a total of 100%	7732-18-5	-														

## 4. First-aid measures

<b>Inhalation</b>	Remove victim to fresh air. Seek medical advice if effects persist. Generally not required.
<b>Ingestion</b>	Rinse mouth thoroughly with water immediately. DO NOT INDUCE VOMITING. Seek medical advice if effects persist.
<b>Skin</b>	Wash affected areas with copious quantities of water immediately. Remove contaminated clothing and wash before re-use. Seek medical advice if effects persist.
<b>Eye contact</b>	Irrigate with copious quantity of water for 15 minutes. Seek medical assistance if symptoms persist.
<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 a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor.

## 5. Fire-fighting measures

<b>Hazards from Combustion Products</b>	Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness.
<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. Use measures suitable for extinguishing surrounding fire.



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**Specific hazards arising from the chemical** Material does not burn or will propose an explosion risk

## 6. Accidental release measures

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

**Clean-up Methods - Small Spillages** Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.  
Contaminated area may be neutralised by washing with weak or dilute reducing agent.

## 7. Handling and storage

**Precautions for Safe Handling** No specific measures

### Handling

**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	
	Iron (III) chloride hexahydrate			1		
<b>Other Exposure Information</b>	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.					
<b>Appropriate engineering controls</b>	Maintain concentration below recommended exposure limit. Local exhaust ventilation system may be required.					
<b>Respiratory Protection</b>	Respirator not normally required.					
<b>Eye Protection</b>	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. Normally not required.					
<b>Hand Protection</b>	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.					
<b>Personal Protective Equipment</b>	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.					
<b>Body Protection</b>	Wear suitable protective clothing and gloves to prevent skin contact.					

## 9. Physical and chemical properties

**Form** Liquid

**Appearance** Yellow liquid.

**Odour** Odourless

**Freezing Point** Approx 0°C.

**Boiling Point** Approx 100°C at 100kPa.

**Solubility in Water** Completely soluble.

**Specific Gravity** 1.0 approx.

**Vapour Pressure** 2.37Pa at 20°C (water vapour pressure)

**Flammability** Non combustible material.

## 10. Stability and reactivity



# Safety Data Sheet

infosafe  
CS: 1.7.2

Page: 3 of 4

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

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<b>Chemical Stability</b>	Stable under normal use conditons. May act as an oxidising agent for some dyes.
<b>Incompatible Materials</b>	Strong reducing agents.
<b>Hazardous Decomposition Products</b>	No significant quantities of decomposition products are expected at temperatures normally achieved in a fire.
<b>Hazardous Polymerization</b>	Will not occur.

## 11. Toxicological Information

<b>Toxicology Information</b>	No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. If mishandled or overexposed to this product the following symptoms or effects may occur.
<b>Ingestion</b>	May cause gastric irritation.
<b>Skin</b>	May cause irritation.
<b>Eye</b>	May cause irritation.
<b>Respiratory sensitisation</b>	Not classified based on available information.
<b>Skin Sensitisation</b>	Not classified based on available information.
<b>Germ cell mutagenicity</b>	Not classified based on available information.
<b>Carcinogenicity</b>	No significant ingredient is classified as carcinogenic by Safe Work Australia. No significant ingredient is classified as carcinogenic by International Agency for Reseach on Cancer.
<b>Reproductive Toxicity</b>	Not classified based on available information.
<b>STOT-single exposure</b>	Not classified based on available information.
<b>STOT-repeated exposure</b>	Not classified based on available information.
<b>Aspiration Hazard</b>	Not classified based on available information.
<b>Chronic Effects</b>	Chronic exposure may cause insomnia, conjunctivitis, inflammation of the nasal mucous, bronchitis, tremor, rapid heart beat, diarrhea and weight loss.
<b>Mutagenicity</b>	Not classified based on available information.

## 12. Ecological information

<b>Ecological Information</b>	No ecology data available for this product. No ecological problems are to be expected when the product is handled and used with due care and attention.
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## 13. Disposal considerations

<b>Disposal Considerations</b>	Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations.
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## 14. Transport information

<b>Transport Information</b>	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
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## 15. Regulatory information

<b>Regulatory Information</b>	All of the significant ingredients in this formulation are compliant with NICNAS regulations. Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
<b>Poisons Schedule</b>	Not Scheduled

## 16. Other Information

<b>Literature References</b>	'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.
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# Safety Data Sheet

infosafe  
CS: 1.7.2

Page: 4 of 4

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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)]'.

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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