

Infosafe No™ 3CHI2	Issue Date : October 2019	RE-ISSUED by ABS
--------------------	---------------------------	------------------

 Product Name **IODINE SOLUTION**

Not classified as hazardous

1. Identification

GHS Product Identifier IODINE SOLUTION
Product Type Water solution of iodine/potassium iodide.
Company Name AUSTRALIAN BIOSTAIN Pty Ltd
Address 24 - 28 Stratton Drive,
Traralgon, Victoria, Australia, 3844
www.australianbiostain.com.au
Telephone/Fax Number Tel: (03) 5176 2855
Emergency phone number CHEMCALL (24 hours): 1800 127 406 (Australia) / +64-4-917-9888 (International)
E-mail Address www.australianbiostain.com.au

Recommended use of the chemical and restrictions on use Microbiological staining, laboratory reagent.

Other Names	<u>Name</u>	<u>Product Code</u>
	VERHOEFF's C Stain	AVSC
	GRAM's IODINE	AIG
	GRAM's IODINE (Modified)	AIGCS
	IODINE JENSEN'S	AIJ
	IODINE LUGOL'S	AIL

Other Information 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

GHS classification of the substance/mixture Classified as non-Hazardous according to the Globally Harmonised System of classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).

Signal Word (s) NONE.

3. Composition/information on ingredients

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Potassium iodide	7681-11-0	<=2 %
	Iodine	7553-56-2	<=1 %
	Water to make a total of 7732-18-5		
	100%		

4. First-aid measures

Inhalation Remove victim to fresh air. Seek medical advice if effects persist. Generally not required.

Ingestion Rinse mouth thoroughly with water immediately. DO NOT INDUCE VOMITING. Seek medical advice if effects persist.

Skin Wash affected areas with copious quantities of water immediately. Remove

Infosafe No™ 3CHI2 Issue Date : October 2019 RE-ISSUED by ABS

Product Name **IODINE SOLUTION**

Not classified as hazardous

Eye contact contaminated clothing and wash before re-use. Seek medical advice if effects persist.
Irrigate with copious quantity of water for 15 minutes. Seek medical assistance if symptoms persist.

First Aid Facilities Maintain eyewash fountain and safety shower in work area.

Advice to Doctor Treat symptomatically based on judgement of doctor and individual reactions of the patient.

Other Information For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor.

5. Fire-fighting measures

Specific Methods 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.

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

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	
	Potassium iodide			1	0.1	As Iodine Peak limitation
	Iodine			0.1	1	As iodine Peak limitation
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 Iodine and Potassium Iodide. 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.					
Appropriate engineering controls	Maintain concentration below recommended exposure limit. Local exhaust ventilation system may be required.					
Respiratory Protection	Respirator 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.					

Infosafe No™ 3CHI2	Issue Date :October 2019	RE-ISSUED by ABS
--------------------	--------------------------	------------------

Product Name **IODINE SOLUTION**

Not classified as hazardous

Hand Protection	Normally not required. Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance.
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.
Body Protection	Wear suitable protective clothing and gloves to prevent skin contact.

9. Physical and chemical properties

Form	Liquid
Appearance	Dark brown liquid.
Odour	Mild characteristic odour.
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

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

11. Toxicological Information

Toxicology Information	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.
Ingestion	May cause gastric irritation.
Inhalation	Inhalation of vapour may cause irritation to the mucous membranes and respiratory tract.
Skin	May cause irritation.
Eye	May cause irritation.
Respiratory sensitisation	Not classified based on available information.
Skin Sensitisation	Not classified based on available information.
Germ cell mutagenicity	Not classified based on available information.
Carcinogenicity	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.
Reproductive Toxicity	Not classified based on available information.

Infosafe No™ 3CHI2	Issue Date :October 2019	RE-ISSUED by ABS
--------------------	--------------------------	------------------

Product Name **IODINE SOLUTION**

Not classified as hazardous

STOT-single exposure	Not classified based on available information.
STOT-repeated exposure	Not classified based on available information.
Aspiration Hazard	Not classified based on available information.
Chronic Effects	Chronic exposure may cause insomnia, conjunctivitis, inflammation of the nasal mucous, bronchitis, tremor, rapid heart beat, diarrhea and weight loss.
Mutagenicity	Not classified based on available information.

12. Ecological information

Ecological Information	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.
-------------------------------	---

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 (ADG); by the IATA Air Transport Dangerous Goods Regulations; or by the IMDG (International Maritime Dangerous Goods) Code.
------------------------------	---

15. Regulatory information

Regulatory Information	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. HSNO GROUP STANDARD: HSR002596, Laboratory Chemicals and Reagent Kits.
Poisons Schedule	Not Scheduled

16. Other Information

Literature References	'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia. National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.' Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals'. Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand. Safe Work Australia, 'Hazardous Chemical Information System'. Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances'. Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment'. ...End Of MSDS...
------------------------------	--

© Copyright Chemical Safety International Pty Ltd

Copyright in the source code of the HTML, PDF, XML, XFO and any other electronic files rendered by an Infosafe system for Infosafe MSDS displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copyright in the layout, presentation and appearance of each Infosafe MSDS displayed is the intellectual property of Chemical Safety International Pty Ltd. The compilation of MSDS's displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copying of any MSDS displayed is permitted for personal use only and otherwise is not permitted. In particular the MSDS's displayed cannot be copied for the purpose of sale or licence or for inclusion as part of a collection of MSDS without the express written consent of Chemical Safety International Pty Ltd.