

Infosafe No™	3CHDM	Issue Date : February 2017	RE-ISSUED by KINETIKP
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Product Name : **LUGOL'S IODINE**

Not classified as hazardous

1. Identification

GHS Product Identifier	LUGOL'S IODINE
Product Code	607
Product Type	Water solution of iodine/potassium iodide.
Company Name	Kinetik Pty Ltd (ABN 53 605 811 532)
Address	Unit 10, 12 - 16 Robart Court, Narangba Queensland 4506 Australia
Telephone/Fax Number	Tel: 07 3203 0401 Fax: 07 3203 0421
Recommended use of the chemical and restrictions on use	Microbiological staining.
Other Information	EMERGENCY CONTACT NUMBER: +61 07 3203 0401 Business hours: 8:30am to 5:00pm, Monday to Friday.

Kinetik 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 Kinetik 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 Kinetik 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.
Signal Word (s)	None.

3. Composition/information on ingredients

Chemical Characterization	Liquid				
Ingredients	Name	CAS	Proportion	Hazard Symbol	Risk Phrase
	Potassium iodide	7681-11-0	2 %		
	Iodine	7553-56-2	1 %	Xn	R20/21
	Water to make a total of 100%	7732-18-5	-		

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 contaminated clothing and wash before re-use. Seek medical advice if effects persist.
Eye contact	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.
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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

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 Peak limitation
	Iodine			1	0.1	
Other Exposure Information	TWA: 1 mg/m3 (0.1 ppm) - peak limitation - iodine - Safe Work Australia. TWA - the Time-Weighted Average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.					
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. Normally not required.					
Hand Protection	Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance.					
Personal Protective Equipment	Final choice of personal protective equipment will depend on individual circumstances and/or according to risk assessments undertaken.					
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.
Melting Point	Approx 100°C at 100kPa.
Freezing Point	Approx 0°C.
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

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Chemical Stability	Stable under normal use conditons.
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 symptom 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.
Carcinogenicity	No significant ingredient is classified as carcinogenic by Safe Work Australia. No significant ingredient is classified as carcinogenic by International Agency for Research on Cancer.
Chronic Effects	Chronic exposure may cause insomnia, conjunctivitis, inflammation of the nasal mucous, bronchitis, tremor, rapid heart beat, diarrhea and weight loss.

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.
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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.
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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.
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15. Regulatory information

Poisons Schedule	Not Scheduled
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16. Other Information

Literature References	'Standard for the Uniform Scheduling of Medicines and Poisons No. 15', Commonwealth of Australia, November 2016. 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)]'. Safe Work Australia, 'Hazardous Substances 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]'. Contact Person/Point DISCLAIMER STATEMENT: All information provided in this data sheet or by our technical representatives is compiled from the best knowledge available to us. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, we make no warranty either expressed or implied, with respect to the completeness or accuracy to the information
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