

Infosafe No™ 3CHF8 Issue Date : April 2018 RE-ISSUED by ACR

Product Name : **LUGOL'S IODINE**

Classified as hazardous

1. Identification

GHS Product Identifier LUGOL'S IODINE
Product Type Water solution of iodine/potassium iodide.
Company Name AUSTRALIAN CHEMICAL REAGENTS (ACR) (ABN 19 008 264 211)
Address 38 - 50 Bedford Street Gillman
 S.A. 5013 Australia
Telephone/Fax Number Tel: (08) 8440 2000
 Fax: (08) 8440 2001
Recommended use of the chemical and restrictions on use Microbiological staining.

Other Names	<u>Name</u>	<u>Product Code</u>
	LUGOL'S IODINE	1441
Other Information	EMERGENCY CONTACT NUMBER: +61 08 8440 2000 Business hours: 8:30am to 5:00pm, Monday to Friday.	

Australian Chemical Reagents (ACR) 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 Chemical Reagents (ACR) 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 Chemical Reagents (ACR) 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 Eye Damage/Irritation: Category 2A
 Skin Corrosion/Irritation: Category 2
Signal Word (s) WARNING
Hazard Statement (s) H315 Causes skin irritation.
 H319 Causes serious eye irritation.
Pictogram (s) Exclamation mark



Precautionary statement – Prevention P264 Wash thoroughly after handling.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statement – Response P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P362 Take off contaminated clothing and wash before reuse.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 If eye irritation persists: Get medical advice/attention.
Precautionary statement – Disposal P501 Dispose of contents/container to an approved waste disposal plant.

3. Composition/information on ingredients

Chemical Characterization Liquid

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Acetic acid	64-19-7	10 %		
Potassium iodide	7681-11-0	10 %		
Iodine	7553-56-2	5 %	Xn	R20/21
Water to make a total of 100%	7732-18-5	-		

4. First-aid measures

Inhalation	If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Immediately obtain medical aid if cough or other symptoms appear.
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	If contact with the eye(s) occurs, wash with copious amounts of water for approximately 15 minutes holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. Seek medical attention. If rapid recovery does not occur, obtain medical attention.
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.
Environmental Precautions	Prevent from entering into drains, ditches, rivers or the sea.

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	
	Acetic acid	37	15	25	10	
	Potassium iodide			1	0.1	As Iodine Peak limitation
	Iodine			1	0.1	Peak limitation
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. 'Peak Limitation' - a ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes.					

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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.
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.
Hygiene Measures	Wash hands before eating, drinking, smoking and using the toilet.

9. Physical and chemical properties

Form	Liquid
Appearance	Dark brown liquid.
Odour	Mild characteristic odour (vineger and iodine).
Solubility in Water	Completely soluble.
Flammability	Non combustible material.

10. Stability and reactivity

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	Causes skin irritation.
Eye	Causes serious eye irritation.
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.
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.
Environmental Protection	Do not allow product to enter drains, waterways or sewers.

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

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.
Poisons Schedule	Not Scheduled

16. Other Information

Literature References	<p>'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia.</p> <p>Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 13th. Ed.', Rev., John Wiley and Sons, Inc., NY, 1997.</p> <p>National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.', 2007.</p> <p>Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals', 2011.</p> <p>Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand, 2010.</p> <p>Safe Work Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004)]'.</p> <p>Safe Work Australia, 'Hazardous Substances Information System, 2005'.</p> <p>Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances (2011)'.</p> <p>Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995) 3rd Edition]'.</p>
Contact Person/Point	<p>Paul McCarthy Ph. (08) 8440 2000 DISCLAIMER STATEMENT:</p> <p>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 contained herein. Australian Chemical Reagents (ACR) accepts no responsibility whatsoever for its accuracy or for any results that may be obtained by customers from using the data and disclaims all liability for reliance on information provided in this data sheet or by our technical representatives.</p> <p>...End Of MSDS...</p>

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