

Infosafe No™	3CHD9	Issue Date : January 2017	RE-ISSUED by KINETIKP
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Product Name : **GRAM'S IODINE**

Not classified as hazardous

1. Identification

GHS Product Identifier	GRAM'S IODINE
Product Code	606
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. Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).
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3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion	Hazard Symbol	Risk Phrase
	Potassium iodide	7681-11-0	1 %		
	Iodine	7553-56-2	0.5 %	Xn	R20/21
	Water to make a total of 100%	7732-18-5	-		
Other Information	This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.				

4. First-aid measures

Inhalation	Inhalation of any vapours from this product is not likely to present an acute hazard.
Ingestion	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.
Skin	irritation unlikely. If irritation occurs wash with plenty of soap and water.
Eye contact	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open.
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 the National Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

5. Fire-fighting measures

Hazards from Combustion Products	No significant quantities of decomposition products are expected at temperatures normally achieved in a fire.
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. No limitations to the type of extinguishing media.

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6. Accidental release measures**Personal Protection** Wear protective clothing specified for normal operations (see Section 8)**Clean-up Methods - Small Spillages** Absorb or contain liquid with sand, earth or spill control material. Shovel up using non sparking tools and place in a labelled, sealable container for subsequent safe disposal. Put leaking containers in a labelled drum or overdrum.**7. Handling and storage****Precautions for Safe Handling** No specific measures**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			1	0.1	
Other Exposure Information	A time weighted average (TWA) has been established for Iodine (Safe Work Australia) of 1 mg/m3. 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. These methods should be used in preference to personal protective equipment.					
Respiratory Protection	Usually not required. Where ventilation is not adequate, respiratory protection may be required. Avoid breathing dust, vapours or mists. Respiratory protection should comply with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. In event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.					
Eye Protection	Normally not required but if in doubt ensure eye protection complies with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.					
Hand Protection	Normally not required but if in doubt ensure hand protection should complies 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.					
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

Appearance	Dark brown liquid.
Odour	Mild characteristic odour.
Melting Point	Approx. 0°C
Boiling Point	Approx. 100°C at 100kPa.
Solubility in Water	Completely.
Specific Gravity	1.00
pH	Expected to be neutral.

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Vapour Pressure 2.37 kPa at 20°C (water vapour pressure)**Flammability** Non flammable.**10. Stability and reactivity****Chemical Stability** Stable under normal use conditons.**Conditions to Avoid** None known**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 Material Safety Data Sheet and the product label.**Ingestion** Significant oral exposure is considered to be unlikely. May be irritating to mucous membrane but is unlikely to cause anything more than transient discomfort.**Inhalation** Unlikely to cause any irritation or discomfort.**Skin** No adverse effects expected. However will stain the skin, and the stain may be difficult to remove, but should not cause any adverse health effects.**Eye** May be mildly irritating to the eyes.**Carcinogenicity** Not classified as a human carcinogen.**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** All of the significant ingredients in this formulation are compliant with NICNAS regulations.**Poisons Schedule** Not Scheduled**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)'.

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**Contact
Person/Point**Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995) 3rd Edition]'.
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