

# Material Safety Data Sheet

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Infosafe No. ACQ11

Issue Date: October 2007

ISSUED by SOUTHBIOL

**Product Name: IODINE/KI SOLUTION**

Not classified as hazardous according to criteria of NOHSC

## COMPANY DETAILS

**Company Name** Southern Biological (ABN 25 838 926 933)  
**Address** 19-21 Worrell Street Nunawading Vic 3131 Australia  
**Tel/Fax** Tel: +61 3 9877 4597 Fax: +61 3 9894 2309

## IDENTIFICATION

**Product Name** IODINE/KI SOLUTION  
**Proper Shipping Name** None Allocated  
**UN Number** None Allocated  
**DG Class** None Allocated  
**Packing Group** None Allocated  
**Hazchem Code** None Allocated  
**Poisons Schedule** S6

## Physical Data

**Appearance** Dark brown liquid with a characteristic iodine odour.  
**Melting Point** Not available  
**Boiling Point** Not available  
**Vapour Pressure** Not available  
**Specific Gravity** Not available  
**Flash Point** Not applicable  
**Flamm. Limit LEL** Not applicable  
**Flamm. Limit UEL** Not applicable  
**Solubility in Water** Soluble

## Other Properties

**pH Value** 6.4  
**Stability** Stable.  
**Haz. Polymerization** Will not occur.  
**Materials to Avoid** None known.

## Ingredients

<b>Ingredients</b>	<b><u>Name</u></b>	<b><u>CAS</u></b>	<b><u>Proportion</u></b>
	Iodine	7553-56-2	1-10%
	Potassium iodide	7681-11-0	1-10%
	Other ingredients determined not to be hazardous.		Balance

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## HEALTH HAZARD INFORMATION

### Health Effects

**Acute - Swallowed** Ingestion may irritate the gastric tract causing nausea and vomiting.

**Acute - Eye** No likely effects. May cause mild irritation.

**Acute - Skin** No likely effects.

**Acute - Inhaled** No likely effects.

**Chronic -** Chronic iodine poisoning (IODISM) can result in rapid heartbeat, tremor, weight loss, diarrhea, insomnia, eye irritation, bronchitis, gastric irritation, and skin rash. However, at the low levels present in this product no adverse effects are expected.

## First Aid

**Swallowed** DO NOT INDUCE VOMITING. Wash out mouth with water and give plenty of water to drink. If symptoms develop seek medical attention.

**Eye** 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. If symptoms persist seek medical attention.

**Skin** Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.

**Inhaled** Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. If symptoms develop seek medical attention.

**First Aid Facilities** Eye wash and normal washroom facilities.

## Advice to Doctor

**Advice to Doctor** Treat symptomatically.

## Other Health Hazard Information

## PRECAUTIONS FOR USE

Exposure Limits	Name	STEL		TWA		
		mg/m3	ppm	mg/m3	ppm	Footnote
	Iodine			1	0.1	Peak limitation
	Potassium iodide			1	0.1	As Iodine peak limitation

**Eng. Controls** Ensure sufficient ventilation to keep airborne concentrations below exposure limits.

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## Personal Protection

<b>Respirator Type (AS 1716)</b>	Not normally required. However, if engineering controls are not effective in controlling airborne exposure then a supplied air respirator should be used. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.
<b>Eye Protection</b>	If possibility of eye contact exists safety glasses with side shields or goggles should be worn as described in Australian Standard AS/ANZ 1337 - Eye Protectors for Industrial Applications.
<b>Glove Type</b>	Impervious PVC or rubber gloves should be worn to prevent prolonged skin contact.
<b>Clothing</b>	Suitable protective clothing should be worn, e.g. cotton overalls buttoned at neck and wrist.
<b>Work/Hygienic Practices</b>	Ensure a high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking, smoking or using the toilet.

## Flammability

**Fire Hazards** This product is non-flammable.

## SAFE HANDLING INFORMATION

### Storage and Transport

<b>Storage Precautions</b>	Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use.
<b>Transport</b>	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
<b>ADG Proper Shipping Name</b>	None allocated.

## Spills and Disposal

<b>Spills &amp; Leaks</b>	Increase ventilation. Wear appropriate breathing apparatus and full protective clothing to minimize skin and eye exposure. Place inert, non-combustible absorbent such as vermiculite, sand or dirt onto material. Collect the material and place into a suitable labelled container for subsequent disposal. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.
<b>Disposal</b>	Dispose of according to relevant local, state and federal government regulations.

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## Fire/Explosion Hazard

<b>Fire/Explos. Hazard</b>	This product is non-flammable.
<b>Hazardous Combustion Products</b>	Under fire conditions this product may emit toxic and/or irritating fumes including oxides of iodine.
<b>Fire Fighting Procedures</b>	Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.
<b>Extinguishing Media</b>	Use extinguishing media suitable for surrounding environment.
<b>Hazchem Code</b>	None Allocated.

## OTHER INFORMATION

**Toxicology** No toxicology data available for this product.

## CONTACT POINT

**Contact** Southern Biological  
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...End of MSDS...