

MATERIAL SAFETY DATA SHEET
ALCOHOLIC IODINE SOLUTION BP
1. Identification of the Product and Company

Product Name:	ALCOHOLIC IODINE SOLUTION BP
Product Code:	IOD00159F
Other Names:	Nil
Use:	For use as a preoperative treatment of unbroken skin.
Company Name & Contact Details	Drug Information Pharmacist ORION Laboratories Pty Ltd ABN 56 009 293 136 25-29 Delawney Street, Balcatta, Western Australia 6021 AUSTRALIA Telephone (all hours): +618 9441 7800 FREE PHONE: 1800 805 546 FREE FAX: 1800 004 110 EMAIL: customerservice@orion.net.au; WEBSITE: www.orion.net.au ORION® is a registered trademark of Orion Laboratories Pty Ltd
Other Information	All reasonable care has been taken to ensure information and advice contained in this data sheet is accurate at time of printing. However, Orion accepts no liability for any loss or damages suffered as a consequence of reliance on the information contained herein.

2. Hazards Identification

Hazard Classification	HAZARDOUS SUBSTANCE. DANGEROUS GOOD.
Risk phrase(s)	R11 – Highly Flammable
Safety phrase(s)	S2 - Keep out of reach of children S7 - Keep container tightly closed S16 - Keep away from sources of ignition S25 - Avoid contact with the eyes

3. Composition/Information on Ingredients

Chemical Entity	CAS No:	Proportion
Ethanol (alcohol)	64-17-5	> 60% v/v
Iodine	7553-56-2	2.5% w/v
Potassium Iodide	7681-11-0	2.5% w/v
Water, Purified	7732-18-5	to 100% by volume

4. Health Hazard Information

Inhalation:	Chronic exposure to vapour may result in headaches and dizziness. May be irritant to respiratory tract, especially in sensitive individuals (e.g. asthmatics)
Ingestion:	Toxic. Ingestion may lead to dizziness, headaches, dullness, gastric disorders and central nervous system depression.
Skin:	May be irritating to those sensitive to iodine or alcohol based preparations.
Eye:	Vapour and direct contact may cause stinging and irritation of the eyes. May cause burns.
Advice to Doctor:	Treat symptomatically. Care should be taken during emesis to prevent pulmonary aspiration of the return flow. If respiration is depressed, assisted respiration may be necessary. Collapse may be delayed until the second day.

5. Fire Fighting Measures

Extinguishing Media	Water fog/spray, carbon dioxide, dry chemical powder, carbon dioxide or alcohol stable foam.
Hazards from Combustion products	On burning may emit toxic fumes including carbon monoxide and carbon dioxide. Remove containers from path of fire. Heating can cause expansion and rupture of containers. Keep containers cool with water spray.
Precautions & Equipment for Fire Fighters	<i>Highly flammable liquid.</i> Alcohol burns with a colourless flame. Eliminate all possible sources of ignition. Ventilate area well. Firefighters should wear self-contained breathing apparatus as exposure to vapour or combustion products is likely. Vapour is heavier than air and may travel along the ground. Distant ignition is possible.
Hazchem Code	2[Y]E

6. Accidental Release Measure

Small spills: Neutralise with sodium thiosulphate and wash with large quantities of water.
Large spills: Ventilate area well. Eliminate all possible sources of ignition. Prevent entry into drains, waterways and confined areas. Contain using sand or earth and use an absorbent (sand, sawdust, vermiculite) where appropriate. Collect and seal in properly labelled containers for disposal. Waste material may be incinerated under controlled conditions where permitted. Refer to local Waste Management Authority Regulations for other approved methods. Wash area down with excess water. Cleanup personnel to wear protective clothing & avoid skin contact and inhalation of fumes.

7. Handling and Storage

Safe Handling Practices	Alcoholic solutions are highly flammable. <ul style="list-style-type: none"> ▪ Avoid pooling on surfaces. ▪ Do not use near a naked flame or other ignition source.
Storage	Should not be stored or transported with flammable gases, explosives, spontaneously combustible substances, oxidising agents or foodstuffs. Store away from sources of heat or ignition. Store in a well-ventilated area and keep containers closed when not in use to avoid evaporation. Store below 25°C. Protect from light

8. Exposure Controls; Personal Protection

Exposure Limits:	There are no known exposure standards for Iodine in Alcohol preparations. However, those of its constituents may be used as a guide.
	Iodine: 0.1ppm (1mg/m ³)
	Ethanol: 1000ppm (1900mg/m ³)
Engineering Controls	Use with adequate ventilation at all times. Maintain concentration below recommended exposure limit.
Personal Protection	Avoid eye and unnecessary skin contact and avoid breathing vapour. If splashing or spillage is likely to occur during handling, wear safety glasses. Approved barrier creams may prove useful in preventing dermatitis when prolonged skin contact is unavoidable, or wear rubber gloves. Wash hands after use.

9. Physical and Chemical Properties

Appearance: A brown spiritous liquid which has an odour characteristic of iodine and alcohol.

Vapour Pressure:	<58.1mbar:20°C	Flashpoint:	Approximately 18°C (closed cup)
Boiling Point:	Approximately 78°C	Solubility in Water:	Miscible
Specific Gravity:	0.89 g/mL @ 20°C	Percent Volatiles:	Approximately 85% v/v

10. Stability and Reactivity

Chemical Stability: Stable. Store below 25°C

11. Toxicological Information

Inhalation: Remove patient from exposure to fresh air. Seek medical advice if necessary. Give artificial respiration if breathing stops.

Ingestion: Give plenty of water to drink. Contact a doctor or Poisons Information Centre.

Skin: Remove contaminated clothing. Wash area well with water. If irritation occurs, seek medical advice.

Eye: Hold eyes open and irrigate with running water for at least 15 minutes. Seek medical advice if necessary.

Other Toxicity to animals (iodine 100%): Rat (oral) LD50=14g/kg
Toxicity to humans (iodine 100%): Human (oral) LD0=28mg/kg

12. Ecological Information

Mobility: Not known

Persistence and Degradability: Not known

Ecotoxicity: Not known

13. Disposal Considerations

Disposal Methods & Containers / Special Disposal for Landfill or Incineration: Waste material may be incinerated under controlled conditions where permitted. Refer to local Waste Management Authority Regulations for other approved methods.

14. Transport Information

UN Number: 1170

UN Proper Shipping Name: Ethanol solutions

DG Class & Subsidiary Risk: Flammable Liquid class 3

Packing Group: PG II.

Hazchem Code: 2[Y]E

15. Regulatory Information

Poisons Schedule Classified using the criteria in the Standard Uniform Schedule for Drugs and Poisons as schedule 6

Classification: Hazardous according to criteria of NOHSC. Dangerous Good according to criteria of the Australian Dangerous Good Code.

16. Other Information

References: MSDS Iodine 1CH37 July 2005 ChemSupp
Ethanol MSDS-022 issued 08/2008 CSR

Checked by: Anna McLean	Date: April 2009
Approved by: Robert Kimpton	Date: April 2009

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Revision Information

Date	Document	Superseded Document	Revision Information
January 2006	IOD00159_9 January 2006	IOD00159_8 October 2004	Name change formerly IODINE TINCTURE (Weak Iodine Solution B.P.)
April 2009	IOD00159_10 April 2009	IOD00159_9 January 2006	General review

END OF MSDS