

MATERIAL SAFETY DATA SHEET
RIOTANE CONCENTRATE 5% (contains Chlorhexidine Gluconate 5%)

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1. Identification of the Product and Company

Product Name:	RIOTANE CONCENTRATE 5%
Product Code:	RIO01410F
Other Names:	None allocated
Use:	Used for the preparation of aqueous and alcoholic solutions for antiseptis of wounds and skin and as a hospital grade disinfectant.
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
Other Information	ORION® is a registered trademark of Orion Laboratories Pty Ltd 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	This product may irritate eyes. This product is not dangerous for the purposes of transport or storage.
Risk phrase(s)	May be irritating to eyes if in contact.
Safety phrase(s)	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

3. Composition/Information on Ingredients

Chemical Entity	CAS No:	Proportion
Chlorhexidine Gluconate	18472-51-0	5% w/v
Teric GN9	-	< 10% w/w
Ethanol	64-17-5	< 10% v/v
Colour	-	< 10% w/v
Purified Water	7732-18-5	to 100% v/v

4. First Aid Measures

Inhalation:	Remove patient to fresh air. Seek medical attention for breathing difficulties.
Ingestion:	Do not induce vomiting. Rinse mouth out with water and do not swallow. Give 200 – 300mL of water to drink. Contact a doctor or Poisons Information Centre.
Skin:	Remove contaminated clothing. Wash skin well with soap and water. Launder clothing before use.
Eye:	Hold eye lids open and flush with gently running water for at least 15 minutes. Seek medical attention.
Advice to Doctor:	Treat symptomatically. Chlorhexidine is poorly absorbed from the gastrointestinal tract. Toxic effects due to chlorhexidine should be treated by gastric lavage.

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5. Fire Fighting Measures

Extinguishing Media	Water fog/spray, dry chemical agent and alcohol foam.
Hazards from Combustion products	On burning may emit toxic fumes including carbon monoxide and carbon dioxide.
Precautions & Equipment for Fire Fighters	Fire-fighters 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.
Hazchem Code	None allocated

6. Accidental Release Measure

Contain using an absorbent (sand, vermiculite) where appropriate. Collect and seal in properly labelled containers for disposal. Wash area down with excess water.

7. Handling and Storage

Safe Handling Practices	Safe handling practices should be employed at all times. Wear safety glasses if splashing is likely to occur when mixing solutions. Ensure that eyewash bottle/bath is available. When using do not eat, drink or smoke.
Storage	Store below 30°C and protect from light

8. Exposure Controls; Personal Protection

Exposure Limits:	There are no known exposure limits for Riotane Concentrate 5%, however, that of its main constituent, Chlorhexidine Gluconate Solution 20% may be of use. LD ₅₀ oral (mouse): 2,500 mg/kg
Engineering Controls	No special precautions are necessary. Ensure adequate ventilation at all times.
Personal Protection	Avoid contact with eyes, ears, mucous membranes and broken skin. If spillage or splashing are likely to occur during handling, wear safety spectacles. Approved barrier creams may prove useful in preventing dermatitis when prolonged skin contact is unavoidable. Wash hands before smoking, eating, drinking or using the toilet.

9. Physical and Chemical Properties

Appearance/ Odour:	A clear pink liquid, slight odour.
pH:	Not known
Vapour Pressure:	Not known
Vapour Density:	Not known
Boiling Point:	Not known
Freezing/Melting Point:	Not known
Solubility:	Soluble in water @20°C
Specific Gravity or Density:	0.998 – 1.018g/mL

10. Chemical Stability and Reactivity Information

Conditions Contributing to Instability:	This product is stable
Other Information:	Do not mix with soaps and other anionic agents or oxidising substances.

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11. Toxicological Information

Inhalation:	No hazard expected under normal conditions of use.
Ingestion:	May be irritating to the gastrointestinal tract, causing vomiting and diarrhoea.
Skin:	Skin sensitivity to chlorhexidine has occasionally been reported. May be toxic if allowed to enter the ear canal.
Eye:	May irritate the eyes causing stinging and redness.

12. Ecological Information

Mobility:	No data available.
Persistence and Degradability:	No data available.
Ecotoxicity:	May cause long term adverse effects in the aquatic environment.
Environmental Fate:	Completely soluble in water.

13. Disposal Considerations

Disposal Methods & Containers:	Refer to local Waste Management Authority Regulations for approved methods.
Special Disposal for Landfill or Incineration:	May be buried in authorised landfill site. Waste material may be incinerated under controlled conditions where permitted.

14. Transport Information

UN Number:	None allocated
UN Proper Shipping Name:	None allocated
DG Class & Subsidiary Risk:	None allocated
Packing Group:	None allocated
Hazchem Code:	None allocated

15. Regulatory Information

Not classified using the criteria in the Standard Uniform Schedule for Drugs and Poisons.

16. Other Information

References:	<ul style="list-style-type: none">• <i>MSDS Chlorhexidine Digluconate 20% Solution, 11/09/2005</i> Science Lab.com• <i>MSDS Chlorhexidine 5% Solution version 1 15.04.2007</i> Henry Schein Halas
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Checked by: Anna McLean	Date: March 2009
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Revision Information:

Date	Document	Superseded Document	Revision Information
March 2006	RIO00410_4 March 2006	RIO00410_3 April 2003	General review; new 16 header format
March 2009	RIO00410_05 March 2009	RIO00410_4 March 2006	General review

END OF MSDS