



## SAFETY DATA SHEET

### 1. IDENTIFICATION

**Product identifier:** **Riodine Antiseptic Solution (15 mL, 100 mL, 500 mL)  
Riodine Antiseptic Solution (OTC) (15 mL, 100 mL )**

**Synonyms:** **RIO01561F (15 mL), RIO01598F (100 mL), RIO00802F (500 mL),  
RIO02102F (OTC 15 mL), RIO02110F (OTC 100 mL), RIO00604S**

**Global Contact:** Perrigo Company  
**Address:** 515 Eastern Avenue  
Allegan, MI 49010 USA

**Telephone number:** +1 269-673-8451  
**Emergency telephone:** +1 888-464-2986

**Australian Contact:** Perrigo Australia  
**Address:** 25-29 Delawney Street  
Balcatta, Western Australia 6021 Australia

**Telephone number:** +618 9441 7800  
**Emergency telephone:** +1 760-476-3962 Code 333304  
**Poisons Information Centre: 13 11 26**

**New Zealand Contact:** Orion Laboratories (NZ) Ltd  
**Address:** PO Box 781  
Whangaparaoa, New Zealand

**Telephone number:** +618 9441 7800  
**Emergency telephone:** +1 760-476-3962 Code 333304  
**National Poisons Centre: 0800 764 766**

**Recommended use:** Antiseptic solution for treatment of skin wounds and infections.  
**Restrictions on use:** None known.

**HSNO Number:** Not Applicable

### 2. HAZARD(S) IDENTIFICATION

**Classification:**

Physical	Health
Not Hazardous	Not Hazardous

**Label Elements**

**Not hazardous in accordance with the GHS, the WHS Regulations and HSNO Regulations.**

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical name	CAS No.	Concentration	Substance Classification
Povidone Iodine (contains 10% iodine – hazard classification is based on iodine content)	25655-41-8	10% (1% iodine)	Skin Irritant 2 (H315) Eye Irritant 2A (H319) Specific Target Organ Toxicity – Single Exposure Category 3 (H335) Aquatic Acute Toxicity Category 1 (H400)
Non-hazardous ingredients	various	90%	Not hazardous

**4. FIRST-AID MEASURES**

**Inhalation:** Remove person to fresh air. If irritation occurs or symptoms develop, get medical attention.

**Skin contact:** This product is intended for use on the skin. If irritation develops and persists, discontinue use and get medical attention. Remove any contaminated clothing and launder it before reuse.

**Eye contact:** Immediately flush eyes with water while lifting the upper and lower lids for several minutes. Remove contact lenses, if present and easy to do after 5 minutes of flushing, then continue flushing. Get medical attention if irritation persists.

**Ingestion:** Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to a person who is unconscious or convulsing. Get medical attention.

**Most important symptoms/effects, acute and delayed:** May cause mild eye and skin irritation. Inhalation of mists may cause irritation of nose and throat. May cause damage to the thyroid through prolonged or repeated exposure.

**Indication of immediate medical attention and special treatment, if necessary:** Immediate medical attention is not generally required.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** Use any extinguishing media that is suitable for the surrounding fire.

**Specific hazards arising from the chemical:** Not flammable or combustible. Decomposition at high temperatures may release iodine vapours.

**Special protective equipment and precautions for fire-fighters:** Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment, and emergency procedures:** Wear appropriate protective clothing and equipment as described in Section 8.

**Environmental Precautions:** Prevent spill from entering sewers and water courses. Report releases as required by local and national authorities.

**Methods and materials for containment and cleaning up:** Stop spill at the source if it is safe to do so. Absorb with an inert material. Collect into a suitable container for disposal.

**7. HANDLING AND STORAGE**

**Precautions for safe handling:** Avoid eye contact. Wash thoroughly after handling. Remove contaminated clothing and launder before re-use.

**Conditions for safe storage, including any incompatibilities:** Protect containers from physical damage. Store below 25°C.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure guidelines:**

Povidone Iodine (as iodine)	0.01 ppm TWA (inhalable fraction and vapour), 0.1 ppm STEL (vapour and aerosol) ACGIH TLV 0.1 ppm TWA AU OEL 0.1 ppm STEL NZ OEL
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**Appropriate engineering controls:** Use with adequate general or local exhaust ventilation to maintain exposure levels below occupational exposure limits.

**Individual protection measures:**

**Respiratory protection:** None needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, an approved supplied air respirator is recommended. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with applicable regulations and good Industrial Hygiene practice.

**Skin protection:** Impervious gloves recommended for handling other than use.

**Eye protection:** Chemical safety goggles recommended if needed to avoid eye contact.

**Other:** None known.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance (physical state, colour, etc.):** A brown aqueous solution.

**Odour:** Typical odour (of iodine).

<b>Odour threshold:</b> 9 mg/m <sup>3</sup> (iodine)	<b>pH:</b> 3.0-5.5
<b>Melting point/freezing point:</b> Not determined	<b>Boiling Point:</b> Not determined
<b>Flash point:</b> None	<b>Evaporation rate:</b> Same as water
<b>Flammability (solid, gas):</b> Not applicable	<b>VOC:</b> Not determined
<b>Flammable limits: LEL:</b> None	<b>UEL:</b> None
<b>Vapour pressure:</b> Same as water	<b>Vapour density:</b> Same as water
<b>Relative density:</b> 1.03-1.05	<b>Solubility(is):</b> Miscible in water
<b>Partition coefficient: n-octanol/water:</b> Not determined	<b>Auto-ignition temperature:</b> Not determined
<b>Decomposition temperature:</b> Not determined	<b>Viscosity:</b> Not determined

## 10. STABILITY AND REACTIVITY

**Reactivity:** Not reactive under normal conditions of use.

**Chemical stability:** Stable.

**Possibility of hazardous reactions:** None known.

**Conditions to avoid:** Avoid heat.

**Incompatible materials:** None known.

**Hazardous decomposition products:** Thermal decomposition may yield carbon oxides and iodine vapours.

## 11. TOXICOLOGICAL INFORMATION

### Acute effects of exposure:

**Inhalation:** Inhalation of mists may cause irritation of the mucous membranes and upper respiratory tract.

**Ingestion:** Swallowing may cause gastrointestinal irritation.

**Skin contact:** No adverse effects are expected. May cause mild irritation in some individuals.

**Eye contact:** Contact may cause mild irritation with redness and tearing.

**Chronic Effects:** Iodine may cause damage to the thyroid through prolonged or repeated exposure.

**Sensitization:** Not classified as a sensitizer, however, some individuals may be allergic to iodine.

**Germ Cell Mutagenicity:** Not a germ cell mutagen. Iodine: The ability of povidone iodine to induce chromosome aberrations in D284 cells was evaluated in three different experiments. Povidone iodine did not induce chromosome aberrations with and without metabolic activation in D824 cells under testing conditions.

**Reproductive Toxicity:** Not a reproductive toxin. Iodine: A combined 28-day repeated dose toxicity study with the reproduction/developmental toxicity screening test was conducted with Iodine in rats by oral gavage. No reproduction/developmental toxicity was observed at any dose level. Based on these results, a reproduction and developmental No Observed Adverse Effect Level. (NOAEL) of 10 mg/kg was derived.

**Carcinogenicity:** None of the components are listed as carcinogens or suspected carcinogens by IARC, NTP, or ACGIH.

### Acute Toxicity Values:

Povidone-Iodine: LD50 oral rat 8000 mg/kg

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity values:

Iodine: *Oncorhynchus mykiss* LC50: 1.67 mg/L/96 hr, *Daphnia magna* LC50: 0.55 mg/L/48 hr, *Desmodesmus subspicatus* EC50: 0.13 mg/L/72 hr

**Persistence and degradability:** No data available.

**Bioaccumulative potential:** No data available.

**Mobility in soil:** No data available.

**Other adverse effects:** None known.

## 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations. No specific disposal method is recommended.

**14. TRANSPORT INFORMATION**

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
<b>IMDG</b>		Not regulated			No
<b>IATA</b>		Not regulated			No
<b>ADG</b>		Not regulated			No

**Hazchem Code:** Not applicable

**Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not applicable – product is transported only in packaged form.

**Special precautions:** None known.

**15. REGULATORY INFORMATION**

**Safety, health, and environmental regulations specific for the product in question.**

**Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP):** Not scheduled

**Australia Inventory:** Drugs are not subject to the AICS.

**New Zealand Inventory:** Drugs are not subject to HSNO Act.

**16. OTHER INFORMATION**

**NFPA Rating:** Health = 1      Flammability = 0      Instability = 0  
**HMIS Rating:** Health = 1      Flammability = 0      Physical Hazard = 0

**SDS Revision History:** Convert to AU/NZ GHS format

**Date of preparation:** 16 December 2016

**Date of last revision:** 13 June 2013

**Full Text of GHS Classification and H Phrases from Section 3:**

- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H400 Very toxic to aquatic life.

**List of Abbreviations or Acronyms:**

ACGIH American Conference of Industrial Hygienists  
ADG Australian Dangerous Goods  
AICS Australian Inventory of Chemical Substances  
AU Australia  
EC Effective Concentration  
EU European Union  
GHS Globally Harmonized System of Classification and Labelling of Chemicals  
HSNO Hazardous Substances and New Organisms  
IARC International Agency of Research on Cancer  
IATA International Air Transport Association  
IMDG International Maritime Dangerous Goods  
LC Lethal Concentration  
LD Lethal Dosage  
LEL Lower Explosive Limit  
NTP National Toxicology Program  
NZ New Zealand  
OEL Occupational Exposure Limits  
US OSHA United States Occupational Safety and Health Administration  
PEL Permissible Exposure Limit  
SDS Safety Data Sheet  
STEL Short Term Exposure Limit  
TWA Time-Weighted Average  
UEL Upper Explosive Limit  
VOC Volatile Organic Compounds  
WES Workplace Exposure Standards  
WHS Work Health and Safety

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