

Jaychem Industries Limited  
**MATERIAL SAFETY DATA SHEET**

Date Prepared: 5 September 2007

**1. PRODUCT IDENTIFICATION:**

Product Name:	Tincture of Iodine (10%, 2.5%)
Class	III B
UN Number:	1170
Product Type:	Liquid
Product Class:	Antiseptic
Manufacturer:	Jaychem Industries Ltd.
Address:	Andromeda Crescent, East Tamaki, Auckland.
Telephone:	09 274 6647
Fax	09 274 1358

**2. COMPOSITION/ INFORMATION ON INGREDIENTS:**

Proprietary:	No
Ingredient:	<b>Deionised water</b>
Ingredient Sequence Number:	01
Percent:	<50
CAS Number:	7732-18-5

Proprietary:	No
Ingredient:	<b>Iodine</b>
Ingredient Sequence Number:	02
Percent:	<10
CAS Number:	7553-56-2

Proprietary:	No
Ingredient:	<b>Potassium Iodide</b>
Ingredient Sequence Number:	03
Percent:	<5
CAS Number:	7681-11-0

Proprietary:	No
Ingredient:	<b>Ethyl Alcohol</b>
Ingredient Sequence Number:	03

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Percent:	<50
CAS Number:	64-17-5

**3. PHYSICAL/CHEMICAL CHARACTERISTICS:**

Appearance:	clear dark brown liquid
Boiling Point:	>35°C
Vapour Pressure(MM Hg/70 F):	4.3
Specific gravity:	0.85
Evaporation rate and ref:	<1 (BUAC=1)
Solubility in water:	Excellent
PH:	3.0-5.0

**4. FIRE AND EXPLOSION HAZARD DATA:**

Flash Point:	23°C
Lower Explosive Limit:	2
Upper Explosive Limit:	12
Extinguishing Media:	Use media suitable for surrounding materials.
Unusual Fire and Explosive Hazards:	None Known

**5. REACTIVITY DATA:**

Stability:	Yes
Cond to Avoid (Stability):	None under normal use conditions
Materials to Avoid:	Naked Flames
Hazardous Decomposition Products:	None Known

**6. HEALTH HAZARD DATA:**

Route of Entry-Inhalation:	NO
Route of Entry-Skin:	NO

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Route of Entry-Ingestion	Toxic
Health Hazard Acute and Chronic:	Eyes:may cause irritation

**7. CHEMWATCH HAZARD RATINGS:**

Flammability:	Medium
Toxicity:	Low
Body Contact:	Low
Reactivity:	Nil
Chronic:	Min/Nil

**8. PERSONAL PROTECTIVE EQUIPMENT FOR INDUSTRIAL/COMMERCIAL ENVIRONMENTS**

In diluted form no protective equipment required

**9. PHYSICAL DESCRIPTION/PROPERTIES**

Clear dark brown liquid.

**10. HEALTH HAZARD/ACUTE HEALTH EFFECTS**

<b>Swallowed:</b>	No known effects if swallowed.
<b>Eye:</b>	The material may produce irritation to the eye causing pronounced inflammation. Immediately flush eyes with water for at least 15 minutes, while holding eyelid open. Seek medical attention at once.
<b>Skin:</b>	No known effects

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**11. PERSONAL PROTECTION**

**EYE**

Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.

**HANDS/FEET**

Not Applicable.

**12. STORAGE AND TRANSPORT**

**SUITABLE CONTAINER**

Packaging as recommended by manufacturer. Check that containers are clearly labelled.

**STORAGE INCOMPATIBILITY**

Observe manufacturer's storing and handling recommendations. Keep containers securely sealed. Store in a cool, dry and well-ventilated area. Store away from incompatible materials. Protect containers against physical damage. Check regularly for spills and leaks.

As of the date of preparation of this document, the foregoing information is believed to be accurate and is provided in good faith. However, no warranty or representation with respect to such information is intended or given.