

Jaychem Industries Limited
MATERIAL SAFETY DATA SHEET

Date Prepared: 8 June 2010

1. PRODUCT IDENTIFICATION:

Product Name:	healthE Iodine 1.0% with 70% Alcohol 100ml
UN Number:	1170
UN Proper Shipping Name:	Ethanol solutions
DG Class and Packing Group	Class 3 PG II
Hazchem Code:	2[Y]E
Product Type:	Liquid
Product Class:	Antibacterial
Manufacturer:	Jaychem Industries Ltd.
Address:	3 Kordel Place, East Tamaki, Auckland.
Telephone:	09 274 6647
Fax	09 274 1358
Use:	For rapid disinfection wherever routine hand washing is not practical and pre surgical use

2. COMPOSITION/ INFORMATION ON INGREDIENTS:

Proprietary:	No
Ingredient:	Denatured Ethanol
Ingredient Sequence Number:	01
Percent:	70 % w/w
CAS Number:	64-17-5

Proprietary:	No
Ingredient:	Deionised water
Ingredient Sequence Number:	02
Percent:	<30
CAS Number:	7732-18-5

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Proprietary:	No
Ingredient:	Iodine
Ingredient Sequence Number:	03
Percent:	1.0%
CAS Number:	7553-56-21

Proprietary:	No
Ingredient:	Potassium iodide
Ingredient Sequence Number:	04
Percent:	1.0%
CAS Number:	7681-11-0

3. HAZARDS IDENTIFICATION:

Hazard Classification:	Class 3 PGII Highly flammable
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 – no smoking; S25 – Avoid contact with eyes; S61 – Avoid release to the environment

4. FIRST AID MEASURES

For advice contact the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately.

Inhalation: Remove patient to fresh air. If respiratory irritation, dizziness, nausea or headache occurs, seek immediate medical attention. Apply artificial respiration if breathing stops.

Ingestion: If swallowed, give large amounts of water to drink. Do not induce vomiting. Contact a doctor or National Poisons Centre.

Eye: Hold eyelids open and flush eye with gently running water for at least 15 minutes. Seek medical attention promptly if irritation persists.

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5. STABILITY/REACTIVITY DATA:

Stability:	Yes
Cond to Avoid (Stability):	Avoid freezing
Materials to Avoid:	Avoid temperatures above 30 degrees celcius
Hazardous Decomposition Products:	No hazardous products are expected.

6. HEALTH HAZARD DATA:

Route of Entry-Inhalation:	Chronic exposure to vapour may result in headaches and dizziness. Vapours may irritate or burn mucous membranes and respiratory tract, especially in sensitive individuals (e.g. asthmatics)
Route of Entry-Skin:	May be irritating to those sensitive to iodine or alcohol based preparations.
Route of Entry-Ingestion	Toxic. Ingestion may lead to dizziness, headaches, dullness, gastric disorders and central nervous system depression. If swallowed seek medical attention immediately. Do NOT induce vomiting.
Health Hazard Acute and Chronic:	NO

7. CHEMWATCH HAZARD RATINGS:

Flammability:	Medium/High
Toxicity:	Low
Body Contact:	Nil
Reactivity:	Nil
Chronic:	Min/Nil
Hazchem Code:	2[Y]E

MATERIAL SAFETY DATA SHEET**8. TOXICOLOGICAL INFORMATION:**

healthE Iodine 1% with 70% Alcohol	Moderately irritating to mucous membranes. May cause nausea and vomiting. Aspiration may cause lung damage. May cause irritation and reddening to the skin. Vapour may irritate the eyes. Liquid or mist may irritate or damage the eyes. Long term exposure by swallowing or repeated inhalation may cause degenerative changes in the liver, kidneys, gastrointestinal tract and heart muscle.
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9. PHYSICAL DESCRIPTION/PROPERTIES

Appearance	Dark brown liquid
pH	Not known
Specific gravity	0.82-0.90

10. HEALTH HAZARD/ACUTE HEALTH EFFECTS

Swallowed:	Nausea and vomiting.
Eye:	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.
Skin:	Safe for contact with skin

11. PERSONAL PROTECTION

Eye	Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.
Body/Hands/Feet	None

MATERIAL SAFETY DATA SHEET**12. STORAGE AND TRANSPORT**

Suitable Container	Packaging as recommended by manufacturer. Check that containers are clearly labeled.
Storage Site Requirements	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. Keep away from naked flame and avoid temperatures over 30 degrees Celsius.
Approved Handlers	Not required.

13. FIRE FIGHTING MEASURES

Flash Point:	21°C
Lower Explosive Limit:	3.3
Upper Explosive Limit:	19
Extinguishing Media:	Use media suitable for surrounding materials. Do not allow water to enter drains.
Unusual Fire and Explosive Hazards:	None Known

14. EXPOSURE CONTROL

Workplace Exposure	Iodine 0.1ppm (1mg/m ³); Ethanol 100% - 1000ppm, 1880mg/m ³ . TWA time weighted average airborne concentration over an eight hour day, for a five day working week over and entire working life.
Application in the workplace	Prevent exposure by using engineering controls, personal protective equipment and work practices that prevent skin contact.
Exposure standards outside the workplace	TELS and EELs are not set at this time
Engineering controls	Ensure that ventilation maintains dust levels below WES

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15. ENVIRONMENTAL INFORMATION

healthE Iodine 1% with 70% Alcohol	Not Applicable
Denatured Alcohol	Not Applicable
Disposal	Preferably dispose of by use. Otherwise dispose of product and packaging at an approved landfill or other approved facility. Do not use container for any other purpose.

16. ADDITIONAL INFORMATION

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.