

**SECTION 1: Identification****1.1. Product identifier**

Product name : Iodine Tincture 2.5%

**1.2. Recommended use and restrictions on use**

Recommended uses and restrictions : Topical antiseptic for minor cuts and abrasions.

**1.3. Supplier**RW Consumer Products Ltd  
200 Omand's Creek Blvd  
R2R 1V7 Winnipeg, Manitoba - Canada  
T (204) 786-6873**1.4. Emergency telephone number**

Emergency number : CANUTEC (613) 996-6666 (Transport only)

**SECTION 2: Hazard identification****2.1. Classification of the substance or mixture****Classification (GHS-CA)**Flam. Liq. 3 H226  
Eye Irrit. 2B H320  
STOT RE 1 H372**2.2. GHS Label elements, including precautionary statements****GHS-CA labelling**

Hazard pictograms (GHS-CA) :



GHS02

GHS08

Signal word (GHS-CA) :

: Danger

Hazard statements (GHS-CA) :

: H226 - Flammable liquid and vapour  
H320 - Causes eye irritation  
H372 - Causes damage to organs through prolonged or repeated exposure

Precautionary statements (GHS-CA) :

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P233 - Keep container tightly closed  
P240 - Ground/bond container and receiving equipment  
P241 - Use explosion-proof electrical/ventilating/lighting equipment  
P242 - Use only non-sparking tools  
P243 - Take action to prevent static discharges  
P260 - Do not breathe dust/fume/gas/mist/vapours/spray  
P264 - Wash hands thoroughly after handling  
P270 - Do not eat, drink or smoke when using this product  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P337+P313 - If eye irritation persists: Get medical advice/attention  
P314 - Get medical advice/attention if you feel unwell  
P403+P235 - Store in a well-ventilated place. Keep cool  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation**2.3. Other hazards**

No additional information available

**2.4. Unknown acute toxicity (GHS-CA)**

Not applicable

**SECTION 3: Composition/information on ingredients****3.1. Substances**

Not applicable

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According to the Hazardous Products Regulation (February 11, 2015)

### 3.2. Mixtures

Name	Product identifier	%
Ethyl alcohol	(CAS No) 64-17-5	79.36
Potassium iodide (KI)	(CAS No) 7681-11-0	2.84
Iodine	(CAS No) 7553-56-2	2.84

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

- First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact : Not applicable for product in finished form.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : If ingested, call a physician or Poison Control Centre immediately. Give large amounts of milk and starch mucilage by mouth, then induce vomiting using tepid salt water.

### 4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/injuries after inhalation : May cause irritation to the respiratory tract.
- Symptoms/injuries after skin contact : May cause skin irritation. Repeated exposure may cause skin dryness or cracking.
- Symptoms/injuries after eye contact : Causes eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
- Symptoms/injuries after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### 4.3. Immediate medical attention and special treatment, if necessary

- Other medical advice or treatment : Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

- Suitable extinguishing media : Dry chemical. Carbon dioxide. Alcohol foam.

### 5.2. Unsuitable extinguishing media

- Unsuitable extinguishing media : Do not use water jet.

### 5.3. Specific hazards arising from the hazardous product

- Fire hazard : Flammable liquid and vapour. Products of combustion may include, and are not limited to: oxides of carbon. Formaldehyde. Potassium oxides. Hydrogen iodide. Iodine vapour.
- Explosion hazard : May form flammable/explosive vapour-air mixture.

### 5.4. Special protective equipment and precautions for fire-fighters

- Protection during firefighting : Keep upwind of fire. Wear full fire-fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Use water spray to keep fire-exposed containers cool.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Use special care to avoid static electric charges. Remove all sources of ignition.

### 6.2. Methods and materials for containment and cleaning up

- For containment : Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.
- Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

### 6.3. Reference to other sections

- For further information refer to section 8: "Exposure controls/personal protection"

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : For external use only. Keep away from eyes and other mucous membranes. Avoid contact with skin and clothing. Do not breathe dust/fume/gas/mist/vapours/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment.

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Hygiene measures : Take off immediately all contaminated clothing and wash it before reuse. Wash hands thoroughly after handling.

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed.

Storage conditions : Keep out of the reach of children. Store tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Ethyl alcohol (64-17-5)

##### USA - ACGIH - Occupational Exposure Limits

Local name	Ethanol
ACGIH STEL (ppm)	1000 ppm
Remark (ACGIH)	TLV® Basis: URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
Regulatory reference	ACGIH 2020

#### Iodine (7553-56-2)

##### USA - ACGIH - Occupational Exposure Limits

ACGIH TWA (ppm)	0.01 ppm (inhalable fraction and vapor)
ACGIH STEL (ppm)	0.1 ppm (vapor fraction)
ACGIH chemical category	Not Classifiable as a Human Carcinogen

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Hand protection:

Wear suitable gloves

#### Eye protection:

Wear eye/face protection

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

#### Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: No data available
Colour	: Brown
Odour	: Alcohol-like, pungent
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: No data available

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Boiling point	: 82 °C
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Flammable liquid and vapour
Vapour pressure	: No data available
Vapour pressure at 50 °C	: No data available
Relative density	: 0.9
Solubility	: No data available
Partition coefficient n-octanol/water	: No data available
Viscosity, kinematic	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	: No dangerous reactions known under normal conditions of use.
Chemical stability	: Stable under normal conditions. May form flammable/explosive vapour-air mixture.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Sources of ignition. Heat. Incompatible materials. Direct sunlight.
Incompatible materials	: Oxidizing materials. Acids. Metallic salts. Potassium chlorate. Perchlorates. Diazonium salts. Tartaric acid. Metals. Bromine and chlorine trifluorides and perchlorates.
Hazardous decomposition products	: May include, and are not limited to: oxides of carbon. May release flammable gases. Formaldehyde. Potassium oxides. Hydrogen iodide. Iodine vapour.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified.
Acute toxicity (dermal)	: Not classified.
Acute toxicity (inhalation)	: Not classified.

Ethyl alcohol (64-17-5)	
LD50 oral rat	7060 mg/kg
LC50 inhalation rat	124.7 mg/l/4h

Iodine (7553-56-2)	
LD50 oral rat	14 g/kg
ATE CA (Dermal)	1100 mg/kg bodyweight
ATE CA (Gases (except aerosol dispensers and lighters))	4500 ppmv/4h
ATE CA (vapours)	11 mg/l/4h

Skin corrosion/irritation	: Not classified.
Serious eye damage/irritation	: Causes eye irritation.
Respiratory or skin sensitization	: Not classified.
Germ cell mutagenicity	: Not classified.
Carcinogenicity	: Not classified.
Reproductive toxicity	: Not classified.
STOT-single exposure	: Not classified.
STOT-repeated exposure	: Causes damage to organs through prolonged or repeated exposure.

Potassium iodide (KI) (7681-11-0)	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Iodine (7553-56-2)	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified.

Symptoms/effects after inhalation : May cause irritation to the respiratory tract.

Symptoms/effects after skin contact : May cause skin irritation. Repeated exposure may cause skin dryness or cracking.

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Symptoms/effects after eye contact	: Causes eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Symptoms/effects after ingestion	: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

Ethyl alcohol (64-17-5)	
LC50 fish 1	11200 mg/l
LC50 fish 2	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	5463 mg/l
EC50 Daphnia 2	2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
ErC50 (algae)	1000 mg/l
NOEC chronic crustacea	9.6 mg/l

Potassium iodide (KI) (7681-11-0)	
LC50 fish 1	> 100 mg/l (Exposure time: 96 h - Species: Danio rerio [static])

Iodine (7553-56-2)	
LC50 fish 1	1.67 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

#### 12.2. Persistence and degradability

Iodine Tincture 2.5%	
Persistence and degradability	Not established.

#### 12.3. Bioaccumulative potential

Iodine Tincture 2.5%	
Bioaccumulative potential	Not established.

Ethyl alcohol (64-17-5)	
Partition coefficient n-octanol/water	-0.32

#### 12.4. Mobility in soil

Ethyl alcohol (64-17-5)	
Partition coefficient n-octanol/water	-0.32

#### 12.5. Other adverse effects

Ozone	: Not classified.
Other information	: No other effects known.

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Product/Packaging disposal recommendations	: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Additional information	: Handle empty containers with care because residual vapours are flammable.

### SECTION 14: Transport information

#### 14.1. Basic shipping description

In accordance with TDG

#### Transportation of Dangerous Goods

UN-No. (TDG)	: UN1170
Packing group	: III
TDG Primary Hazard Classes	: 3 - Class 3 - Flammable Liquids
Transport document description	: UN1170 ETHANOL SOLUTION, 3, III
Proper Shipping Name (TDG)	: ETHANOL SOLUTION
Hazard labels (TDG)	:



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According to the Hazardous Products Regulation (February 11, 2015)

### 14.2. Transport information/DOT

No additional information available

### 14.3. Air and sea transport

No additional information available

## SECTION 15: Regulatory information

### 15.1. National regulations

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

### 15.2. International regulations

No additional information available

## SECTION 16: Other information

Date of issue : 01/16/2017

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Indication of changes:

SDS update.

Other information : None.

Prepared by : Nexreg Compliance Inc.

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