

# SAFETY DATA SHEET

## ALCOHOLIC IODINE, 2% in 80% Alcohol

### Section 1 - Chemical Product and Company Identification

**SDS Name:** Alcoholic Iodine, 2% in 80% Alcohol  
**Catalog Numbers** B-156-4, D-251-6, SO-280  
**Company Identification:** ROWLEY BIOCHEMICAL  
10 ELECTRONICS AVENUE  
DANVERS, MA 01923  
**For information, call:** 978-739-4883  
**Emergency Number:** 800-424-9300  
**For CHEMTREC assistance, call:** 800-424-9300

### Section 2 - Hazards Identification

## GHS Classifications

### HEALTH HAZARDS

H301-Acute Oral Toxicity: 3  
H311-Acute Dermal Toxicity: 3  
H332-Acute Inhalation Toxicity: 4  
H316-Skin Corrosion/Skin Irritation: 3  
H320-Eye damage/Irritation: 2B  
H334-Respiratory Sensitization: 1  
H317-Skin Dermal Sensitization: 1  
H341-Germ Cell Mutagenicity: 2  
H361-Reproductive Toxicity: 2  
H371-Specific Target Organ Toxicity: 2

### PHYSICAL HAZARDS

H226-Flammability: 3

### ENVIRONMENTAL HAZARDS

**Aquatic acute environmental Hazards:** Not classified  
**Chronic environmental Hazards:** Not classified

**Pictograms or Hazard symbols and Hazard statement.**



Warning: Harmful if swallowed.  
Causes skin irritation.  
Harmful in contact with skin.  
Causes eye irritation



Highly flammable liquid and vapour

**Precautionary Statement Prevention.**

H301

**P264** Wash thoroughly after handling.

**P270** Do not eat, drink, or smoke when using this product.

**P301 + P310** IF SWALLOWED: Immediately call a POISON CENTER or doctor.

**P330** Rinse Mouth.

**P405** Store locked up.

**P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

H311

**P280** Wear protective gloves, clothing, and eye and face protection.

**P302 + P352** If on skin, wash with plenty of water. Remove contact lenses if present and easy to do so. Continue rinsing.

**P312** Call a physician if you feel unwell

**P361 + P363** Take off immediately all contaminated clothing and wash it before reuse.

**P405** Store locked up.

**P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

H332

**P261** Avoid breathing fumes/mist/vapors.

**P304 + P340** If inhaled, remove person to fresh air and keep comfortable for breathing.

1 Use only outdoors or in a well-ventilated area.

**P312** Call a physician if you feel unwell.

### H316

**P332 + P313** If skin irritation occurs, get medical advice/attention.

### H320

**P264** Wash thoroughly after handling.

**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.

### H334

**P261** Avoid breathing fumes/mist/vapors.

**P285** In case of inadequate ventilation, wear respiratory protection.

**P304+P341 IF INHALED:** if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

**P342+P311** if experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

**P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

### H317

**P272** Contaminated work clothing should not be allowed out of the work place.

**P333+P313 IF ON SKIN:** Wash with plenty of soap and water.

**P363** Wash contaminated clothing before reuse.

### H341+H361

**P201** Obtain special instructions before use.

**P202** Do not handle until all safety precautions have been read and understood.

**P281** Use personal protective equipment as required.

**P308 + P313** If exposed or concerned, get medical advice/attention.

**P405** Store locked up.

### H371

**P260** Do not breathe fume/gas/mist/vapors.

**P270** Do not eat, drink, or smoke when using this product.

**P309+P311 IF exposed or if you feel unwell:** Call a POISON CENTER or doctor/physician.

### H226

**P210** Keep away from heat, flames, and hot surfaces. No smoking.

**P233** Keep container tightly closed.

**P241** Use explosive-proof equipment.

**P242** Use only non-sparking tools.

**P243** Take precautionary measures against static discharge.

**P280** Wear protective gloves, clothing, and eye and face protection.

**P303 + P361 + P353** If on skin (or hair) take off immediately all contaminated clothing. Rinse skin with water.

**P403 + P235** Store in a well-ventilated place. Keep cool.

**P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

### Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
7681-11-0	Potassium Iodine	3.0 w/v
7553-56-2	Iodine	2.0 w/v
46-17-5	Ethyl Alcohol	76.0 v/v
67-56-1	Methyl Alcohol	4.0 v/v
7732-18-5	Distilled Water	20.0 v/v

### Section 4 - First Aid Measures

**Eye Exposure:** In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

**Dermal Exposure:** In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes.

**Oral Exposure:** If Swallowing seek immediate medical advice.

**Inhalation Exposure:** If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

### Section 5 - Fire Fighting Measures

Firefighters should wear proper protective clothing and self contained breathing apparatus with full piece operated in positive pressure mode to prevent contact with skin and eyes.

**Extinguishing Media:** Use water spray, dry chemical powder, or appropriate foam.

**Flash Point:** N/A

**NFPA Rating:** (estimated) Health: 1; Flammability: 3; Instability: 0

### Section 6 - Accidental Release Measures

**Procedure(s) of Personal Precaution(s):**

Wear protective gear.

**Methods for Cleaning up:** Absorb with sand, earth or vermiculite. Carefully sweep up and containerize for proper disposal.

## Section 7 - Handling and Storage

Use care when handling. Wash thoroughly after handling. Avoid contact with skin and eyes. Store capped at room temperature. Keep away from incompatible materials. Avoid contact with skin and eyes.

## Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:** Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

### Personal Protective Equipment

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

## Section 9 - Physical and Chemical Properties

**Physical State:** Liquid

**Appearance:** Reddish-brown

**Odor:** N/A

**pH:** 5.15-7.31

### Water

**Vapor Pressure:** 2.3 KPa @20 deg. C

**Vapor Density:** 0.62 (Air=1)

**Boiling Point:** 100 deg. C (212 deg. F)

**Specific Gravity/Density:** 1 (water=1)

## Section 10 - Stability and Reactivity

**Chemical Stability:** Stable at room temperature in closed containers under normal storage and handling conditions.

**Hazardous Decomposition Products:** Will not occur.

**Hazardous Polymerization:** Will not occur.

**Incompatibilities with other materials:** heat, reactive with oxidizing agents.

## Section 11 - Toxicological Information

### **RTECS#:**

### **LD50/LC50:**

CAS# 7681-11-0 Not Available

Acute oral (LDL): 1862mg/kg [Mouse]

Acute oral (LDL): 916mg/kg [Rabbit]

CAS# 7553-56-2

Acute oral (LD50): 14000 mg/kg [Rat]

Acute oral (LDL): 28 mg/kg [Human]

Acute Inhalation (LDL 137 ppm/1H [Rat])

CAS# 64-17-15

Acute oral (LD50) 7060 mg/kg

Acute Inhalation (LC50) 200000 ppm/10H [Rat]

Acute Oral (LDL) 1400 mg/kg [Human]

CAS # 67-56-1

Acute oral (LD50) 5628 mg/kg [rat]

Acute Dermal (LD50) 15800 mg/kg [rabbit]

### **Carcinogenicity:**

CAS# 7681-11-0: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS# 7553-56-2: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS# 64-56-1: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS# 67-56-1: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

### **Route of exposure:**

Avoid all routes of exposure including contact and inhalation.

### **Conditions aggravated by exposure:**

The toxicological properties have not been thoroughly investigated

## Section 12 - Ecological Information

### **Ecotoxicity:**

CAS# 7681-11-0: Not Available

Products of Biodegradation: Possible hazardous short term degradation products are not likely. However, long term degradation products may arise.

## Section 13 - Disposal Considerations

**Appropriate method of disposal of substance or preparation:**

Handled as hazardous waste and sent to an RCRA approved incinerator or disposed in an RCRA approved wasted facility.

Section 14 – Transport Information

**DOT**

Proper shipping name: Alcohols, N.O.S.

UN1987

PG II

Hazard class 3 (flammable)

Section 15 - Regulatory Information

**Risk and Safety phrases**

**R10** Flammable

**R21/22** Harmful in contact with skin and if swallowed

**R25** Toxic if Swallowed

**R37** Irritating to respiratory system

**S2** Keep out of the reach of children

**S24/25** Avoid contact with skin and eyes

**S37/39** Wear suitable gloves and eye/face protection

US Classification and label test

US Statements: Caution! Irritant to skin and eyes.

United States Regulatory Information

SARA Listed: No

Canada Regulatory Information

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the SDS contains all the information required by the CPR.

DSL: no

NDSL: no

Section 16 - Additional Information

**MSDS Creation Date:** 10/15/12

**Revision #1.** 3-14-2014 YM. Co-sign RC

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