

Provided by Western Chemical
with 55 gallon barrel of Ovadine
~2012



Material Safety Data Sheet

Section 1 – Product and Company Information

Product Name: PVP-Iodine
Brand: Ovadine

Company: Western Chemical, Inc.
Street Address: 1269 Lattimore Rd.
Ferndale, WA 98248 USA

Technical phone: 360-384-5898
Fax: 360-384-0270
Emergency phone (Chemtree): 1-800-424-9300
Date Updated: July 2010
Reviewed By: Jim Garnett

Section 2 – Composition/Information on Ingredient

<u>Substance Name</u>	<u>CAS #</u>	<u>Vol %</u>
Povidone -Iodine	25655-41-8	10-12
<u>Formula</u> (C ₆ H ₉ NO) _n	<u>Mol. Weight</u>	111

Section 3 – Hazards Identification

Emergency Overview

Caution: Irritant. Irritating to eyes, eyewash fountain or wash must be available.
Wear NIOSH-certified goggles.

HIMS Rating

Health: 1
Flammability: 1
Reactivity: 0
PPE: E

NFPA Rating

Health: 1
Flammability: 1
Reactivity: 0

Acute exposure:

This product is generally accepted as safe for use as an antimicrobial agent.
Symptoms of overexposure may result in increased serum iodine levels.

For additional information on toxicity, please refer to Section 11.

Section 4 – First Aid Measures

ORAL EXPOSURE

If swallowed, wash mouth out with water provided the person is conscious. Do not induce vomiting. NEVER GIVE LIQUIDS TO AN UNCONCIOUS PERSON. Call a physician.

INHALATION EXPOSURE

If inhaled, remove to fresh air. If breathing becomes difficult call a physician.

DERMAL EXPOSURE

In case of contact, immediately wash skin with soap and copious amounts of water.

EYE EXPOSURE

In case of contact with eyes, check for and remove contact lenses, then flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Section 5 – Firefighting Measures

FLASH POINT

N/A

AUTO-IGNITION

N/A

FLAMMABILITY

N/A

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion products are Iodine vapor.

EXTINGUISHING MEDIA

Water Spray, carbon dioxide, dry chemical powder, or appropriate foam.

FIRE FIGHTING

Wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6 – Accidental Release Measures

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Exercise appropriate precautions to minimize direct contact of liquid solutions with skin or eyes.

METHODS FOR CLEANING UP

Soak up with appropriate absorbent material, sweep up, place in a bag, and hold for disposal. Wash spill site after picking up material.

Section 7 – Handling and Storage.

HANDLING

Avoid inhalation, and contact of liquid with eyes, skin, and clothing. Avoid repeated or prolonged exposure.

STORAGE

Keep container tightly closed. Keep away from heat, open flame, and strong oxidizing agents.

Section 8 – Exposure Controls/PPE

ENGINEERING CONTROLS

Have safety shower and eye bath available. Mechanical exhaust required.

PERSONAL PROTECTIVE EQUIPMENT

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate, use type N95 (US) or type P1 (EN 143) respirator. Use protective gloves, chemical safety goggles, boots, and apron or lab coat when working solution.

Section 9 – Physical/Chemical properties

APPEARANCE

Color	Brown.
Physical Form	Liquid
Molecular weight	111 g./mole
pH	6.0 to 7.5
Odor	faint odor, characteristic
BP/BP Range	130°C
MP/MP Range	N/A
Available Iodine	0.97 to 1.1%
Vapor Pressure	N/A
Vapor Density	N/A
SG/Density	approx. 1.03
Bulk Density	N/A
Volatile %	N/A
VOC content	N/A
Water content	≤88%
Solvent content	N/A
Flash Point °F	N/A

Flash Point °C	N/A
Viscosity	N/A
Decomposition Temperature	N/A
Explosion limits	N/A
Auto-ignition temperature	N/A
Solubility	completely soluble in water.

N/A = Not Available

Section 10 – Stability and Reactivity

Stability

Stable.

Conditions to Avoid

Excessive heat or open flame.

Materials to Avoid

Strong Oxidizing agents.

Hazardous Polymerization

Will not occur.

Section 11 – Toxicological Information

Skin Irritation

Rabbit slightly irritating

Eye Irritation

Rabbit severely irritating (OECD Guideline 405)

Ingestion

LD₅₀ 36.16 ml/kg male and female rats. This is for 10% aqueous solution between 29.13 ml/kg and 46.99 ml/kg.

This product is classified as practically non-toxic as a 10% solution.

Section 12 – Ecological Information

To the best of our knowledge the toxicity to the environment has not been fully explored yet.

Section 13 – Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation

Contain the spill. Do not let it flow into water supplies. Absorb any leaked or spilled material. Observe all federal, state, and local regulations.

Section 14 – Transport Information

DOT

Proper shipping name: None
Considered non-hazardous for transport.

IATA

Considered non-hazardous for air transport.

Section 15 – Regulatory Information

US Classification and label text

US Statements required: Caution: irritant.

US regulatory information

SARA Listed: No

Section 16 – Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. The burden of safe use of our materials must rest with the user. We cannot assume responsibility for the completeness or accuracy of any information supplied by us concerning the hazards and recommended use of this product.