

# MATERIAL SAFETY DATA SHEET

## OVADINE

### Section I - IDENTIFICATION

**PRODUCT:** Ovadine

**SYNONYMS:** Povidone Iodine solution

**PRODUCT CODE NO.:** 15650

### Section II - HAZARDOUS INGREDIENTS

<u>COMPOSITION</u>	<u>%</u>	<u>TLV</u>	<u>HAZARD</u>
Povidone Iodine	10-12%	n. av.	none known

### Section III - HEALTH & FIRST AID INFORMATION

**INHALATION:** There is no evidence of adverse effects from inhalation of povidone iodine solutions.

**INGESTION:** There is no evidence of adverse effects in rats that received up to 30 mg/kg/week for 12 weeks of 10% povidone iodine solutions. The possibility exists that in certain individuals povidone iodine solutions may cause diarrhea or intestinal problems.

**EYE CONTACT:** There is no evidence of eye irritation from contact with povidone iodine solutions. If contact does occur the eye should be flushed with water.

**SKIN CONTACT:** There is no evidence of skin irritation either for intact or abraded skin from contact with povidone Iodine solutions. If contact does occur the affected area should be flushed with water.

**OTHER HEALTH INFORMATION:** LD<sub>50</sub> 36.16 ml/kg orally in female and male rats. This is for 10% aqueous povidone iodine solutions with lower and upper limits of 29.13 ml/kg and 46.99 ml/kg. This compound is classified as practically non-toxic as a 10% aqueous solution.

### Section IV - PHYSICAL DATA

**SOLUBILITY IN WATER:** completely miscible

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**APPEARANCE AND ODOUR:** dark reddish brown liquid with slight iodine-like odour

**pH:** 6.5 - 7.5

**SPECIFIC GRAVITY:** 1.02 - 1.04

**AVAILABLE IODINE:** 0.97% - 1.07%

#### **Section V - FIRE AND EXPLOSION HAZARDS**

**FLASH POINT & METHODS USED:** none

**FLAMMABLE LIMITS IN AIR; % BY VOL. LOWER:** none

**FLAMMABLE LIMITS IN AIR; % BY VOL. UPPER:** none

**SPECIAL FIRE FIGHTING PROCEDURES & PRECAUTIONS:** none

**UNUSUAL FIRE & EXPLOSION HAZARDS:** none

#### **Section VI - REACTIVITY**

**STABILITY:** stable

**HAZARDOUS POLYMERIZATION:** will not occur

**CONDITIONS & MATERIALS TO AVOID:** heat causes decrease in available iodine

**HAZARDOUS DECOMPOSITION PRODUCTS:** may produce iodine vapours

#### **Section VII - EMPLOYEE PROTECTION**

**CONTROL MEASURES:** Iodine may be neutralized with sodium thiosulfate.

**RESPIRATORY PROTECTION:** Use with adequate ventilation.

**PROTECTIVE CLOTHING:** Wear gloves and protective clothing when using this product.

**EYE PROTECTION:** Wear eye protection when handling this product.

#### **Section VIII - ENVIRONMENTAL PROTECTION**

**ENVIRONMENTAL PRECAUTIONS:** Ensure that any leaks or spills are cleaned up.

**SPILL OR LEAK PRECAUTIONS:** Do not allow to flow into water supplies. Absorb

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any leaked material or neutralize with sodium thiosulfate.

**WASTE DISPOSAL:** May usually be disposed of in landfill. Seek the advice of a professional disposal service. Ensure disposal method complies with local, provincial and federal regulations governing disposal.

#### **Section IX - REGULATORY CONTROLS**

**DEPT. OF TRANSPORTATION:** Not regulated under the Transport of Dangerous Goods Act.

**OTHER REGULATORY REQUIREMENT:** none

#### **Section X - PRECAUTIONS: HANDLING, STORAGE & USAGE**

Store in a cool place away from direct light in a tightly closed container.

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