

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: LD₅₀ 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

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 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.

PREPARED BY: MSDS Dept .

DATE: Update January 10, 2008