

**MATERIAL SAFETY DATA SHEET**

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**FIVE STAR CHEMICALS & SUPPLY, INC.**  
**4915 E 52<sup>ND</sup> AVE**  
**COMMERCE CITY, CO 80022**

**PHONE: 303-287-0186**  
**MSDS DATE: 5-24-12**  
**REPLACES: 12-10-10**

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**IDENTIFICATION**

**PRODUCT NAME:** IO-STAR  
**COMPOSITION:** IODOPHOR SANITIZER

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<b>ACTIVE INGREDIENTS:</b>	<b>%</b>	<b>ACGIH TLV</b>
IODINE* (CAS No. 7553-56-2)	1.6	1 mg/m
<b>INERT INGREDIENTS</b>	<b>98.4</b>	<b>NONE</b>
<b>TOTAL</b>	<b>100.00</b>	

\*From Butoxy polypropoxy polyethoxy ethanol-iodine complex and Polyethoxy polypropoxy polethoxy ethanol-iodine complexes.

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**PHYSICAL DATA**

<b>APPEARANCE:</b> Dark Brown Liquid	<b>ODOR:</b> Mild Iodine
<b>SOLUBILITY IN WATER:</b> Complete	<b>pH:</b> 1.5
<b>EVAPORATION RATES:</b> 1 (water = 1)	<b>BOILING POINT:</b> 213° F
<b>SPECIFIC GRAVITY:</b> 1.028	<b>VAPOR PRESSURE:</b> 24 mm Hg.

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**FIRE AND EXPLOSION DATA**

<b>FLAMMABILITY:</b>	Not flammable
<b>EXTINGUISHING MEDIA:</b>	Water or Carbon Dioxide
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b>	May emit toxic fumes of Iodine with high heat. (Fire)

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**HEALTH HAZARD DATA**

<b>EYE:</b>	Moderate eye irritation
<b>SKIN:</b>	Mild skin irritation
<b>ACUTE ORAL TOXICITY:</b>	LD-50 (rats 21.6 ml/kg)

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**EMERGENCY & FIRST AID PROCEDURES**

<b>EYE:</b>	Flush with cool running water for 15 minutes. Get medical attention.
<b>SKIN:</b>	Flush with cool running water. If irritation develops get medical attention.
<b>INGESTION:</b>	Promptly drink large quantities of milk, egg whites, gelatin solution or water. Get medical attention immediately.

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**SPECIAL PROTECTION INFORMATION**

**EYES:** Recommended (goggles, face shield)  
**HANDS:** Recommended (rubber, PVC)  
**VENTILATION:** Adequate

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**REACTIVITY DATA**

**INCOMPATIBLE MATERIALS:** Reducing agents, alkalis, strong oxides, chlorinated products.  
**STABILITY:** Product is stable.  
**POLYMERIZATION:** Will not occur.  
**DECOMPOSITION PRODUCTS:** May give off iodine vapors with high temperatures. There are not hazardous decomposition products under normal circumstances.

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**SPILL OR LEAK PROCEDURES**

**SPILL:** Neutralize Iodine with Sodium Thiosulfate or Sodium Sulfate. Put into drums. Floor area with large quantities of water. For small spills wash to sewer in accordance with federal, state and local regulations.

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**STORAGE PRECAUTIONS:** Avoid contamination's of food or feed stuffs. Keep container closed when not in use. Do not store below 0° F. or above 100° F. for extended periods of time. Do not reuse containers. Triple rinse, puncture, and dispose of contains in a sanitary landfill or by incineration.

**DISPOSAL:** Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

**SIGNS AND SYMPTOMS OF EXPOSURE:** Prolonged absorption may produce "Iodism" which is manifested by skin rash, running nose, headache and irritation of mucous membranes.

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**EMERGENCY TELEPHONE: INFOTRAC 800-535-5053**