

**Material Safety Data Sheet**  
**I - O - SAFE**

<b>WESMAR CO. INC.</b> 5720 204 <sup>TH</sup> ST. SW LYNNWOOD, WA 98036 (206) 783-5344	DATE PREPARED: ..... MAR 1, 2006 DATE REVISED: ..... MAR 1, 2011  24 HOUR EMERGENCY PHONE NUMBER PERS: ..... 1-800-633-8253
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**SECTION I – IDENTIFICATION**

**PRODUCT NAME:** ..... I - O - SAFE  
**CHEMICAL FAMILY:** ..... MODERATELY ACIDIC IODINE BASED SANITIZER  
**FORMULA:** ..... N/A  
**CAS NUMBER:** ..... N/A

**SECTION II – HAZARDOUS IDENTIFICATION**

**EMERGENCY OVERVIEW:**

**EYES:** ..... May cause severe eye irritation with possible permanent eye damage and impairment of vision.  
**SKIN (DERMAL):** ..... Skin contact may cause irritation while prolonged exposure may cause chemical burns.  
**SWALLOWING (INGESTION):** May cause severe gastrointestinal irritation and/or ulceration of the mouth and throat. Single dose oral LD50 has not been determined.  
**INHALATION:** ..... Vapors and mist may cause respiratory tract irritation.  
**MEDICAL CONDITION AGGRAVATED BY EXPOSURE:** ..... Existing skin and/or respiratory disorders may be aggravated by exposure.  
**CHRONIC OVEREXPOSURE:**.. None known  
**OSHA REGULATORY STATUS:** Since this product is a mixture, there is no defined PEL's (Personal Exposure Limits) established by OSHA. ACGIH TLV's (Threshold Limit Values) for hazardous components are listed in the Hazardous Ingredients Section of this MSDS.

**SECTION III – COMPOSITION INFORMATION ON INGREDIENTS**

**THRESHOLD LIMIT VALUE:**.. The TLV in section in section III is the ACGIH/TLV-TWA (threshold limit value/time weighted average concentration for an eight hour work day). The STEL is the short term exposure limit and the (Ceil) is the ceiling limit.

HAZARDOUS INGREDIENT	PERCENT	CAS NO.	ACGIH/TWA	STEL/TLV
Iodine complex	10-20	1310-73-2	NOT EST.	NOT EST.

**SECTION IV – FIRST AID DATA**

**EYES:** ..... In case of contact, immediately flush eyes with lots of running water for at least 15 minutes. Call for medical assistance.  
**SKIN (DERMAL):** ..... Wash thoroughly with lots of running water for at least 15 minutes. If irritation persists, call for medical assistance.

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**SWALLOWING (INGESTION):** NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. (If available, give several glasses of milk) If vomiting occurs spontaneously, keep airway clean and give more water. GET MEDICAL ATTENTION IMMEDIATELY.

**INHALATION:**..... Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen as directed by physician or medical personnel.

### SECTION V – FIRE FIGHTING MEASURES

**FLASHPOINT:**..... Non flammable, non combustible

**LOWER EXPLOSIVE LIMIT:**... N/A

**UPPER EXPLOSIVE LIMIT:**.... N/A

**EXTINGUISHING MEDIA:** ..... Use extinguishing media appropriate to primary cause of fire.

#### SPECIAL FIRE FIGHTING

**PROCEDURES:** ..... Avoid contact with fire fighting personnel as burns may result from contact with skin. when fighting a fire near or involving this product, wear a self-contained breathing apparatus. (SCBA)

#### UNUSUAL FIRE AND

**EXPLOSION HAZARDS:** ..... None known

### SECTION VI – ACCIDENTAL RELEASE MEASURES

**SPILL/ LEAK PROCEDURES:**.. Appropriate protective clothing must be worn by trained cleanup personnel. Dike the area to contain the spill. Dilute with large quantities of dilute soda ash or sodium bicarbonate (baking soda) solution to neutralize any residual acid. Properly neutralized liquid (pH 6-9) may be disposed of in waste water treatment facilities. Check with local authorities first.

### SECTION VII – HANDLING AND STORAGE

**HANDLING INFORMATION:** .. Store away from acids, oxidizing compounds and other incompatible materials. Keep container tightly closed when not in use. KEEP OUT OF REACH OF CHILDREN.

**STORAGE REQUIREMENTS:** **STORAGE:** Keep container closed when not in use. Do not store below 32°F or above 100°F for extended periods.

**DISPOSAL:** ..... Do not contaminate water, food, or feed by storage or disposal or cleaning of equipment. In case of spill, flood area with large quantity of water, washing to sewer or collection vessel. Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility. Do not reuse empty container. Triple rinse, puncture and dispose of container in a sanitary landfill or by incineration.

### SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION

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**EYE PROTECTION:**..... Chemical safety goggles. Contact lenses should not be worn when working with any chemicals.

**RESPIRATORY PROTECTION:**Respiratory protection should be worn if levels exceed defined PEL's for this product or any hazardous component listed in the Hazardous Ingredient Section of this MSDS.

### OTHER PROTECTIVE

**EQUIPMENT:** ..... Rubber gloves, coveralls and protective footwear.

**VENTILATION:**..... Local exhaust sufficient to maintain TLV below permissible exposure limits.

## SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** ..... Clear liquid with mild odor

**BOILING POINT:**..... Approx. 212° F.

**VAPOR PRESSURE:**..... NOT EST.

**VAPOR DENSITY (AIR=1):**..... NOT EST.

**SPECIFIC GRAVITY:**..... 1.03

**pH:** ..... 2.0 - 3.0 AS IS

**SOLUBILITY IN WATER:**..... Completely soluble in water.

## SECTION X – STABILITY AND REACTIVITY DATA

**STABILITY:** ..... Stable

### HAZARDOUS

**POLYMERIZATION:** ..... Will not occur

**INCOMPATIBILITY:** ..... Chlorinated products such as bleach, alkaline materials, metals, metal powder, carbides, chlorates, fumigates, nitrates, picrates, strong oxidizers, reducing or combustible organic material. Hazardous gases are evolved on contact with chemicals such as chlorine bleach, cyanides, sulfides and carbides.

### HAZARDOUS

**DECOMPOSITION:** ..... Carbon monoxide and carbon dioxide upon thermal decomposition.

## SECTION XI – TOXICOLOGICAL INFORMATION

### TOXICOLOGICAL

**INFORMATION:** ..... Acute Oral Effects: Not determined. Acute toxicity via the oral route is expected to be low. Acute Dermal Effects: Not determined. Acute toxicity via the dermal route is expected to be low.

## SECTION XII – ECOLOGICAL INFORMATION

### ECOLOGICAL

**INFORMATION:** ..... This product is readily biodegradable. Do not release into surface waters. Discharge of large quantities into the aquatic environment may kill fish and other aquatic organisms. NOTE: Material totally biodegrades under aerobic conditions of secondary wastewater treatment systems.

## SECTION XIII – DISPOSAL CONSIDERATIONS

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**WASTE DISPOSAL:**..... Consult all LOCAL, STATE, and FEDERAL regulations with regard to proper and suitable disposal methods.

**ADDITIONAL:** ..... **ENVIRONMENTAL HAZARDS:** This product is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other water unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

### SECTION XIV – TRANSPORTATION INFORMATION

**PROPER SHIPPING NAME:** ..... N/A  
**HAZARD CLASS AND LABEL:** NON HAZARDOUS  
**UN NUMBER:** ..... N/A  
**PACKAGING GROUP:** ..... N/A

### SECTION XV – REGULATORY INFORMATION

**LISTED CARCINOGEN:**..... None known  
**TSCA STATUS:**..... All components in this product are listed on the TSCA inventory.  
**SARA SECTION 313:** ..... This product **does not** contain any EPCRA section 313 chemicals subject to the reporting requirements of section 313 of the Emergency Planning Community Right-To-Know Act of 1986 (40CFR 372):  
**NFPA HEALTH:** ..... 2  
**NFPA FLAMMABILITY:** ..... 0  
**NFPA REACTIVITY:** ..... 0

### SECTION XVI – OTHER INFORMATION

**REFERENCES:** ..... The information contained herein has been compiled from sources believed to be reliable and accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. Wesmar Co. assumes no responsibility for injury to any person or property resulting from any use of the material. Each user assumes the risk in their use of this product and should review the data and recommendations in the specific context of their intended use.  
**FOOT NOTES:** ..... NOT EST. = Not Established, N/A = Not Applicable, (Ceil) = TLV ceiling limit.