

**MATERIAL SAFETY DATA SHEET**

**PRODUCT NAME:** B-T-F.® Iodophor Sanitizer  
**PRODUCT TYPE:** Iodophor Sanitizer  
**E.P.A. Reg. No.** 6198-12-AA

**1 of 2****SECTION I - MANUFACTURER**

NATIONAL CHEMICALS, INC.  
105 Liberty Street  
Winona, MN 55987

**PHONE NUMBERS:**

Emergency: 800-533-0027  
FAX: 507-454-5641

**For Chemical Spill Emergency ... See CHEMTREC on Page 2.**

Date Prepared: January 1, 2005

**SECTION II - HAZARDOUS INGREDIENTS**

CHEMICAL NAME (COMMON NAME)	CAS NO.	OSHA PEL	OTHER
Butoxy polypropoxy polyethoxy ethanol-iodine complex	7553-56-2		0.1 p.p.m.

**This product contains no other component considered hazardous according to the criteria of 29 CFR 1910.1200**

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

APPEARANCE and ODOR:	Dark brown liquid. Iodine odor.
SOLUBILITY in WATER:	Complete.
SPECIFIC GRAVITY:	1.34
pH:	
	BOILING POINT: >200° F
	EVAPORATION RATE: N/A

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

**SPECIAL FIRE HAZARD:** None.  
**FIRE FIGHTING METHODS:** Product does not support combustion.

**SECTION V - REACTIVITY DATA**

**STABILITY:** Stable under normal conditions of handling.  
**CONDITIONS TO AVOID:** Do not mix with anything but water. Keep from freezing.  
**MATERIAL:** Keep container closed when not in use.  
**INCOMPATIBILITY (Materials to Avoid):** Reducing agents, alkalis, strong oxides and chlorinated products.

**SECTION VI - HEALTH HAZARD DATA**

**EFFECTS and HAZARDS of OVEREXPOSURE (Acute and Chronic)**

<b>EFFECTS and HAZARDS of EYE CONTACT:</b>	Irritant.
<b>EFFECTS and HAZARDS of SKIN CONTACT:</b>	Mild Irritant.
<b>EFFECTS and HAZARDS of INHALATION:</b>	None.
<b>EFFECTS and HAZARDS of INGESTION:</b>	Harmful if swallowed.

**EMERGENCY and FIRST AID PROCEDURES**

<b>TREATMENT for EYE CONTACT:</b>	Flush with cool, running water for at least 15 minutes. Get medical attention.
<b>TREATMENT for SKIN CONTACT:</b>	Wash skin & clothing with soap & water. If irritation develops get medical attention.
<b>TREATMENT for INHALATION:</b>	Remove to fresh air.
<b>TREATMENT for INGESTION:</b>	Drink large quantities of milk or water. Do not induce vomiting. Get medical attention.

**CALL A POISON CONTROL CENTER OR PHYSICIAN IMMEDIATELY**

**SECTION VII - HMIS/NFPA LABEL INFORMATION**

	HMIS	NFPA	KEY:
<b>HEALTH:</b>	1	1	<b>0 - MINIMAL</b>
<b>FLAMMABILITY:</b>	0	0	<b>1 - SLIGHT</b>
<b>REACTIVITY:</b>	0	0	<b>2 - MODERATE</b>
<b>WARNING:</b>			<b>3 - SERIOUS</b>
<b>WARNING:</b>			<b>4 - SEVERE</b>

**HMIS = HAZARDOUS MATERIALS IDENTIFICATION SYSTEM**

**NFPA = NATIONAL FIRE PROTECTION ASSOCIATION**

**SECTION VIII - CONTROL MEASURES**

**EYE PROTECTION:** Keep out of eyes.  
**SKIN PROTECTION:** None.  
**RESPIRATORY PROTECTION:** Avoid breathing mist or spray.  
**HYGIENIC PRACTICES:** Wash hands with soap and water after handling product.

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## SECTION IX - PRECAUTIONS FOR SAFE HANDLING AND USE

### SPILL OR LEAK PROCEDURES

**CLEAN UP:** Mop or wipe up small spills. Rinse area thoroughly. Flush residue into sewer with plenty of water.

**WASTE DISPOSAL:** Thoroughly rinse empty container and dispose of in an approved disposal facility in accordance with all federal, state and local regulations.

### STORAGE

**STORAGE:** Avoid contact with skin and eyes. Keep container tightly closed. Keep from freezing. Do not expose to heat or direct sunlight. Do not store below 32° F or above 120° F for extended periods.

### OTHER PRECAUTIONS

**KEEP OUT OF REACH OF CHILDREN.**

**AVOID CONTAMINATION OF FOOD OR FOOD HANDLING EQUIPMENT.**

### FOR CHEMICAL EMERGENCY

Involving Shipping & Handling  
Spill, Leak, Fire, Exposure or Accident  
Call CHEMTREC ... Day or Night  
1-800-424-9300

### ABBREVIATIONS:

< = LESS THAN  
> = MORE THAN

N/A = NOT APPLICABLE  
N/D = NOT DETERMINED  
N/E = NOT ESTABLISHED

UNK = UNKNOWN

The information and recommendations in this Material Safety Data Sheet are based upon data believed to be correct and does not relate to its use in combination with any other material or process. Since use conditions vary, we assume no liability for failure to follow product use direction and safety precautions. As data, standards and regulations change; NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

Date: January 1, 2005

**NATIONAL CHEMICALS, INC.**  
**P.O. Box 32**  
**Winona, MN 55987-0032**