

Material Safety Data Sheet

24 Hour Emergency Number: (800) 535-5053

Date Prepared: 07/16/2004

Iodine Disinfectant

Reference No. 40540

PRODUCT IDENTIFICATION

TRADE NAME:	Iodine Disinfectant			GENERIC NAME:	Iodine Disinfectant	
HMIS RATING	HEALTH 2	REACTIVITY 0	FLAMMABILITY 0	PERSONAL	C, F	
Manufacturer's Information	BioSentry, Inc. 1481 Rock Mountain Blvd., Stone Mountain, GA 30083 USA Telephone: (770) 723-9211					

SECTION I. PRODUCT INGREDIENTS (HAZARDOUS)

CHEMICAL NAME	CAS#	PERCENT	TLV/PEL
Phosphoric Acid	7664-38-21	15-20	1mg/M ³
Nonylphenoxy Polyethoxy Ethanol-Iodine Complex	11096-42-7	15-20	Not Established

SECTION II. PHYSICAL DATA

BOILING POINT	VAPOR PRESSURE	SPECIFIC GRAVITY	MELTING POINT
>100°C	N/A	1.134	N/A
WATER SOLUBILITY	VAPOR DENSITY	PERCENT VOLATILE	EVAPORATION RATE

Complete N/A

66%

(Water=1) 1

APPEARANCE AND ODOR: Dark brown liquid with an iodine odor

SECTION III. FIRE AND EXPLOSION DATA

FLASH POINT	None	FLAMMABILITY LIMIT	LEL	N/A	UEL	N/A
EXTINGUISHING MEDIA:	N/A					
SPECIAL FIRE FIGHTING PROCEDURES:	Self-contained breathing apparatus					
UNUSUAL FIRE OR EXPLOSION HAZARDS:	None					

SECTION IV. HEALTH HAZARD INFORMATION

HAZARD BY ROUTE OF EXPOSURE (Indicate chronic and acute)

INHALATION:	Spray mist may cause respiratory irritation	Chronic:	Damage to throat and esophagus
INGESTION:	Acute: Moderately toxic	Chronic:	Possible eye damage
EYE:	Acute: May cause severe irritation	Chronic:	Severe irritation
SKIN CONTACT/ ABSORPTION:	Acute: Irritation, staining	Chronic:	
SIGNS AND SYMPTOMS ASSOCIATED WITH EXPOSURE OVER TLV:	None known		
MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED:	Thyroid conditions		
Any of Part I listed as carcinogens? (NTP, IARC, OSHA):	None		

EMERGENCY FIRST AID PROCEDURES

INHALATION:	None required under normal use conditions. Mist eliminating mask if spray mist is a problem. Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.		
INGESTION:	Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.		
EYE CONTACT:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes.		
SKIN CONTACT:			

SECTION V. CONDITIONS FOR SAFE USE (WHEN OVER TLV)

RESPIRATORY PROTECTION:	Usually not needed, use a mist eliminating mask if spray mist is a problem
EYE PROTECTION:	Protective eyewear (goggles, face shield or safety glasses)
PROTECTIVE GLOVES:	Rubber gloves
OTHER PROTECTIVE CLOTHING/ EQUIPMENT:	Protective clothing
VENTILATION REQUIREMENTS:	General mechanical

SECTION VI. REACTIVITY DATA

IS PRODUCT STABLE?	Yes	WILL HAZARDOUS POLYMERIZATION OCCUR?	No
INCOMPATIBILITIES:	Alkalis, Bleach and Oxidizers		
CONDITIONS TO AVOID:	High temperatures, contamination		
HAZARDOUS DECOMPOSITION PRODUCTS:	Hydrogen iodide, iodine fumes, carbon monoxide		

SECTION VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:	Dam the material to keep it from sewer. Absorb in clay, sand or filteraid. Shovel carefully into open-headed drums.
WASTE DISPOSAL METHOD:	Flush small spills to sewer with lots of water, larger spills should be neutralized. Iodine may be neutralized with sodium sulfite or sodium thiosulfate. Neutralize pH to 6-9 with sodium bicarbonate or soda ash. Dispose of in or if allowed flush to sewer. Follow all local, state and federal waste disposal regulations.

RCRA REGULATED?	Yes (unneutralized)	RCRA NUMBER:	D002	CERCLA (Superfund) reportable:	Yes 5000 lb. RQ, Phosphoric Acid
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SPECIAL PRECAUTIONS:

FOR HANDLING AND STORAGE:	Do not get in eyes, on skin, or on clothing. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse. Avoid contamination of food. Store in original container. Do not store on side. Avoid creasing or impacting of side walls. Keep container closed when not in use.
OTHER:	Keep out of reach of children

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