

MATERIAL SAFETY DATA SHEET

BIOCIDE

(Concentrate form)

SECTION I – Distributed by:

Biotrol • 13705 Shoreline Court East • Earth City, MO 63045
1-800-822-8550

SECTION II – Hazardous Ingredients/Identity

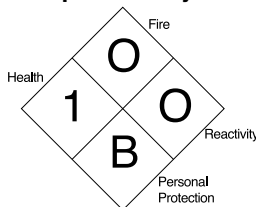
Hazardous Component(s) (chemical and common names)	OSHA PEL	ACGIH TLV	% (Optional)	CAS NO.
Composition: Solution of Iodine, Phosphoric Acid and Surfactants				
Phosphoric Acid (75%)	1m/m ³	N/A	21.34	7664-38-2
Iodine	0.1PPM	N/A	1.75	7553-56-2

SECTION III – Physical & Chemical Characteristics

Boiling Point: N/A **Specific Gravity** (H₂O=1): 1.135
Appearance and Odor: Dark brown liquid; mild iodine
Reactivity in Water: N/A **Melting Point:** N/A
Solubility in Water: Complete **Vapor Pressure & Vapor Density:** N/A
Evaporation Rate: 1 (water=1)

SECTION IV – Fire & Explosion Data

Flash Point: Non-flammable
Auto-Ignition Temperature: N/A
Extinguisher Media: Water, CO₂
Special Fire Fighting Procedures: N/A
Flammable Limits in Air % by Volume: (LEL Lower/UEL Upper): 0.00%
Unusual Fire and Explosion Hazards: May emit toxic fumes of iodine and phosphorous oxides with high heat.



SECTION V – Physical Hazards (Reactivity Data)

Stability: Product is stable.
Incompatibility: Reducing agents, alkalis, strong oxides, chlorinated products.
Hazardous Polymerization: Will not occur.
Hazardous Decomposition By-Products: May give off iodine vapors with high temperatures.

SECTION VI – Health Hazards

ROUTES OF ENTRY

Eye Contact: Corrosive to eye, may cause severe damage (undiluted).
Inhalation: Irritating to the nose, throat and respiratory tract.
Ingestion: Harmful if swallowed. Can cause severe burns to lining of throat and stomach.
Skin Contact: Very irritating, may cause severe skin burns(undiluted).
Not irritating in diluted solution.
Signs and Symptoms of Exposure: Irritation to skin and eye tissue.
Acute oral toxicity: LD₅₀ (rats) is greater than 4600mg/kg.
Acute dermal toxicity: LD₅₀ (rats) is greater than 8000mg/kg.
Chemical listed as carcinogen or potential carcinogen? No.

Revision: RevC 03/06 (Supercedes: 04/02)

SECTION VI – Emergency First Aid Procedures

Eyes and Skin: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Call a physician, and get immediate medical attention. Remove and wash contaminated clothing before reuse.
Ingestion: If swallowed, promptly sip a glass of water. Call a physician immediately. DO NOT INDUCE VOMITING unless advised by poison control center or doctor. Do not give anything by mouth to an unconscious person. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth. Call Poison Control Center. Get medical attention.
Inhalation: Remove victim to fresh air.

SECTION VII – Special Precautions and Spill/Leak Procedures

Precautions to be Taken in Handling and Storing: Avoid contamination of food or feedstuff. Keep container closed when not in use. Do not store below 0°F or above 100°F for extended periods. Avoid storing near products containing chlorine.
Other Precautions: Do not reuse container. Triple rinse, puncture, and dispose of containers in a sanitary landfill or by incineration.
Spill Management: Carefully neutralize acid with soda ash or sodium bicarbonate. Neutralize iodine with sodium thiosulfate or sodium sulfite. Flush area with large quantities of water.
Waste Disposal Methods: Waste resulting from use of this product may be disposed of on site or at an approved waste disposal facility. Do not reuse container.

SECTION VIII – Special Protection Information/Control Measures

Ventilation: Use only with adequate ventilation.
Respiratory Protection: If mist occurs, NIOSH/NSHA approved or equivalent respirator.
Eye Protection: Goggles or face shield to avoid eye contact.
Protective Gloves: Rubber gloves to avoid skin contact.
Other Protective Clothing and Equipment: Protective, acid-proof clothing recommended when handling concentrate.
Work/Hygienic Practices: Common sense for safety.

IMPORTANT

While seller believes that the information contained herein is accurate, such information is offered solely for its customers' consideration and verification under their specific use conditions. This information is not deemed a warranty or representation of any kind for which seller assumes legal responsibility.

BIOCIDE

BROAD SPECTRUM IODOPHOR/CLEANER/DISINFECTANT



24-Hour Emergency No. 1-800-535-5053
(Outside U.S.) 352-323-3500

QUESTIONS or COMMENTS? 1-800-822-8550