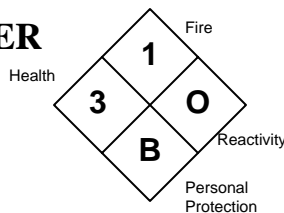


# MATERIAL SAFETY DATA SHEET

## HEALTHSONICS ULTRASONIC CLEANER



### SECTION I – Manufacturer

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

### SECTION II – Hazardous Ingredients / Identity

The identities of the ingredients in the product are proprietary and regarded as a TRADE SECRET as defined in 29 CFR 1910.1200. In the case of a medical emergency, the identities will be divulged to qualified health professionals according to the provisions of 29 CFR 1910.1200 regarding TRADE SECRET. This product is classified as hazardous for the purposes of the OSHA hazardous Communication standard as defined in 29 CFR 1910.1200.

This product is a weak organic base in a water system. It contains ionic and nonionic surfactants with anti-microbial properties.

### SECTION III – Physical & Chemical Characteristics

<b>Boiling Point:</b> 215 °F	<b>Specific Gravity:</b> 1.02
<b>Vapor Pressure / Density:</b> N/A	<b>Solubility in Water:</b> Complete
<b>Freezing Point:</b> N/A	<b>Melting Point:</b> N/A
<b>pH:</b> 9.5 – 10.5	<b>Physical State:</b> Liquid
<b>Appearance:</b> Clear to light-straw liquid	<b>Odor:</b> Slight ammonia odor

### SECTION IV – Fire & Explosion Data

**Flash Point:** > 215 °F  
**Flammable Limits in Air % by Volume:** N/A  
**Extinguishing Media:** No Special Considerations  
**Auto-ignition Temperature; Special Fire Fighting Procedures; Unusual Fire and Explosion Hazards:** N/A

### SECTION V – Physical Hazards (Reactivity Data)

**Stability:** Stable      **Hazardous Polymerization:** N/A  
**Incompatibility:** Do not add acids, bases, oxidizers, or reducers.  
**Hazardous Decomposition Products:** None known.  
**Conditions to Avoid:** Do not heat or freeze.

### SECTION VI – Health Hazards

**Acute:** Possible eye damage  
**Signs and Symptoms of Exposure:** Direct contact may cause severe irritation and/or burns to eyes. Corneal damage is possible and could result in permanent impairment of vision. Concentrated vapors of the undiluted product may irritate the eyes in sensitive individuals. Overexposure may cause skin irritation. Can cause G.I. irritation or ulceration. Ingestion of large quantities can cause muscle paralysis affecting the ability to breathe. May be fatal if ingested. Excessive inhalation may cause irritation.  
**Carcinogenicity:** National Toxicology Program; I.A.R.C. Monographs, and OSHA do not list this product or its ingredients as carcinogens.

### SECTION VII – Emergency First Aid Procedures

**Eyes:** Immediate and continuous irrigation with flowing water for at least 30 minutes. Remove contact lenses if present. Occasionally lift upper and lower eyelids during irrigation. Medical consultation is mandatory.  
**Skin:** Flush skin with large amounts of water. Remove contaminated clothing. Use mild soap to wash the affected area. Contact a physician if irritation persists.  
**Ingestion:** Do not induce vomiting. Give milk to drink, but do not give any liquid by mouth to an unconscious person. Seek medical attention.  
**Inhalation:** Remove to fresh air. If irritation persists, get medical attention. In extreme cases, give supplemental oxygen.

**Notes of Physicians or First Aid Providers:** May cause tissue destruction leading to stricture. If lavage is performed, suggest use of an endotracheal and/or esophageal control. There is no specific antidote. Supportive care and treatment must be based on the judgment of the physician in response to the symptoms and reaction of the patient.

### SECTION VIII – Special Precautions and Spill/Leak Procedures

**Precautions to be Taken in Handling and Storing:** Store at room temperature. Keep away from strong acids, strong bases, oxidizers and reducing agents.  
**Other Precautions:** None  
**Spill Management:** Contaminated surfaced may be slippery. Wear an appropriate respirator with ammonia/methylamine/P100 or combination cartridges for large area spills. Use a supplied air respirator for more extreme circumstances.  
**Waste Disposal Methods:** This product is toxic to fish. Do not put the undiluted product into bodies of water. Dispose according to all Federal, State, and local Regulations.

### SECTION IX – Special Protection Information / Control Measures

**Eye Protection:** Goggles to avoid contact.      **Ventilation:** Well Ventilated  
**Protective Gloves:** Wear gloves resistant to weak organic bases.  
**Work / Hygienic Practices:** Use 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.

## HEALTHSONICS ULTRASONIC CLEANER



24-Hour Emergency No. (U.S.) 1-800-535-5053  
(Outside U.S.) 352-323-3500  
Questions or Comments? 1-800-822-8550