

**MATERIAL SAFETY DATA SHEET**  
**VACUSOL ULTRA**

**SECTION I – Manufacturer**

Biotrol International • 650 S. Taylor Ave., #20 • Louisville, CO 80027  
303-673-0341 • 1-800-822-8550

**SECTION II – Hazardous Ingredients/Identity**

Hazardous Component(s) (chemical and common names)	OSHA PEL	ACGIH TLV	% (Optional)	CAS No.
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None

**SECTION III – Physical and Chemical Characteristics**

**Boiling Point:** 212° F

**Melting Point:** N/A

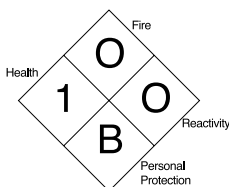
**Appearance and Odor:** Blue with fresh scent

**Solubility in Water:** Complete

**pH:** 12.4

**Vapor Pressure (mm Hg):** Like water

**Vapor Density (Air = 1):** Heavier than air



**SECTION IV – Fire and Explosion Hazard Data**

**Flash Point (Method Used):** 200° F (PMCC)

**Flammable Limits:** N/A

**Extinguishing Media:** CO<sub>2</sub>, dry chemicals, foam or water type BC or ABC extinguishers.

**Special Fire Fighting Procedures:** Use self-contained breathing apparatus.

**Flammable Limits in Air % by Volume:**

**LEL Lower:** Not determined.

**UEL Upper:** Not flammable.

**Unusual Fire and Explosion Hazards:** Strong acids and bases react with aluminum to form hydrogen which is explosive if ignited.

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

**Stability:** Stable.

**Hazardous Polymerization:** Will not occur.

**SECTION VI – Health Hazard Data**

**SIGNS AND SYMPTOMS OF EXPOSURE**

Contact with eyes causes irritation. Avoid prolonged/repeated contact with skin. If inhaled, vapors may irritate respiratory passages.

**SECTION VII – Emergency and First Aid Procedures**

Follow suggestions below. If symptoms persist, consult a physician.

**ROUTES OF ENTRY**

**Inhalation:** Remove to fresh air. Use oxygen or artificial respiration if needed.

**Eyes:** Flush eyes immediately with plenty of water for 15 minutes.

**Skin:** Wash off skin and remove contaminated clothing.

**Ingestion:** If swallowed, consult a physician immediately.

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

**Precautions to be Taken in Handling and Storing:** Avoid overheating or freezing.

**Spill Management:** Contain all spills and leaks. Ventilate area. Soak with absorbent. Shovel into waste container. Flush area with water. Spilled material is slippery.

**Waste Disposal Methods:** Dispose according to all Federal, State and local regulations.

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

**Eye Protection:** Goggles to avoid contact.

**Protective Gloves:** Yes, impervious gloves.

**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.

**VACUSOL ULTRA™**



**24-Hour Emergency No. 1-800-424-9300**  
QUESTIONS or COMMENTS? 1-800-822-8550