



**Alpha Tech Pet, Inc.**  
*Your Animal Care Specialist*  
 789 Massachusetts Avenue  
 Lexington, Massachusetts 02420

**MATERIAL SAFETY DATA SHEET – Vetbac™**

**Section 1: Product & Company Identification**

**Trade Name:** Vetbac  
**EPA Reg. No.**  
**Product Class:**  
**Product Use:** Instant Foam Hand Sanitizer  
**Manufacturer:** Alpha Tech Pet, Inc.  
 789 Massachusetts Avenue  
 Lexington, MA 02420  
**Telephone Numbers:** 24 hr. Emergency Assistance: Alpha Tech Pet, Inc. 1-800-424-9300  
 Product or Company Information: 1-800-222-5537 (Mon – Fri)

**Section 2: Composition/Information on Ingredients**

Ingredient	CAS #	Wt. %
Benzalkonium Chloride	8001-54-5/263-080-8	0.10
Water	7732-18-5/231-791-2	
Dihydroxypropyl PEG-5 Linoleammonium Chloride	168677-75-6/NLP	
Glycereth-2 Cocoate	68201-46-7/NLP	
Behentrimonium Chloride	17301-53-0/241-327-0	
Dihydroxyethyl cocamine Oxide	61791-47-7/263-180-1	

**Section 3: Hazards Identification**

**Emergency Overview** Clear, colorless solution with a mild wintergreen fragrance. Repeated/prolonged contact may cause eye and skin irritation. Inhalation may cause mucous membrane irritation. Ingestion may cause gastrointestinal discomfort including irritation, nausea and diarrhea. This product is not combustible. Use extinguishing media suitable for materials that are burning.

**Potential Health Effects:**

**Skin:** Short periods of contact are not usually associated with skin irritation. Repeated direct contact can result in moderate irritation. Prolonged contact can result in moderate irritation.  
**Eyes:** Direct contact can cause pain and irritation.  
**Inhalation:** Direct contact or exposure to high concentration of mists or vapors may cause irritation.  
**Ingestion:** Direct contact or exposure may cause irritation. Ingestion of large amounts may cause gastrointestinal discomfort, including irritation, nausea and diarrhea.  
**Chronic:** No adverse effects are expected.

**Section 4: First Aid Measures**

**Eyes:** Rinse eyes with water. Remove any contact lenses, and continue flushing eyes with running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Seek medical attention if irritation develops or persists.  
**Skin or Clothing:** Wash affected areas with plenty of water, and soap if available, for several minutes. Seek medical attention if irritation develops or persists.  
**Inhalation:** Remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.  
**Ingestion:** Give 3-4 glasses of water, but DO NOT induce vomiting. If vomiting occurs, give fluids again. Get medical attention to determine whether vomiting or evacuation of stomach is necessary. Do not give anything by mouth to an unconscious or convulsing person.

**Section 5: Fire Fighting Measures**

**Flash Point:** >200° F (PMCC)  
**Special Fire Fighting Instructions:** Move containers from area if it can be done without risk. Cool fire-exposed containers with water from side.  
**Extinguishing Media:** Use media suitable for the material that is burning.  
**Fire Fighting Equipment:** As in any fire, wear, NIOSH/MSHA approved, pressure-demand self contained breathing apparatus and full protective gear.  
**Hazardous Combustion Products:** This product is not combustible.

**Section 6: Accidental Release Measures**

**Spill and Leak Procedures**

Spill area will be slippery. Wear appropriate protective equipment (See Section 8).  
 Absorb spills with vermiculite, fuller's earth, or sand. Shovel up and place in a non-metal waste container for disposal.  
 Dike large spills with soil or sandbags to contain it and prevent its spread.  
 Prevent liquid from entering sewers or waterways.

**Section 7: Handling & Storage**

**Handling Procedures:** Wear appropriate protective equipment (See Section 8).  
**Storage Procedures:** Keep container tightly closed. Keep away from heat, and sunlight. Storage temperatures range: 5-30°C. If material freezes, gently thaw prior to use. Mild agitation may be required.

**Section 8: Exposure Controls/Personal Protection**

**Engineering Controls:** In applications where the product will be exposed to elevated temperatures, use local ventilation to remove potential decomposition products.

**Personal Protective Equipment:**

**Eyes/Face:** Wear safety glasses with side shields or goggles.  
**Skin/Clothing:** Wear natural rubber gloves. Normal working clothing is generally adequate.  
**Respiratory:** In operations where mists are generated, wear a NIOSH/MSHA approved respirator that has been selected by a technically qualified person for the specific work conditions.  
**General:** Eye wash fountain and emergency showers are recommended.

**Exposure Limits:**

No limits established for this product.

**Section 9: Physical & Chemical Properties**

**State:** Liquid solution  
**Viscosity:** Low viscosity  
**Color:** Water white to straw  
**Odor:** Mild wintergreen  
**Melting Point °C** N/A  
**Freezing Point °C** ND  
**Boiling Point °C** 100°C  
**Weight per Gallon:** 8.3 lb/gal  
**Specific Gravity @20°C** 1.00 +/-0.00  
**Water Solubility** Soluble  
**pH** 5.5-7.0

**Section 10: Stability & Reactivity**

**Chemical Stability:** Material is stable.  
**Conditions to Avoid:** Avoid contact with heat..

# Material Safety Data Sheet – Vetbac™

**Incompatibilities:** None known.  
**Hazardous Decomposition:** Oxides of Carbon and Nitrogen on combustion.

## Section 11: Toxicological Information

No toxicity information is available for this specific material. The toxicity information provided is for the “Benzalkonium chloride” component of this material and closely related materials.

**Genotoxicity/Mutagenicity** Ames test (Salmonella sp.) – not mutagenic with or without metabolic activation.  
**Acute Oral LD50** 295 mg/kg for male and female rats.  
**Acute Dermal LD50** 3000 mg/kg for male and female rabbits.  
**Skin Irritation** Skin irritation (rabbit) – severe irritant.  
**Skin Corrosivity** (rabbit-DOT method) - corrosive  
**Skin Sensitization** (guinea pig-Magnusson-Kligman Maximization) – not a sensitizer  
**Eye Irritation** Mild to moderate irritant (<1% active) – rabbit.

### Chemicals Ingredients Listed as Potential or Known Carcinogens

Ingredient	OSHA	NTP	IARC
No ingredients listed in this section.			

## Section 12: Ecological Information

**Ecotoxicity** No data available for this product.

## Section 13: Disposal Considerations

### Disposal Instructions

**RCRA Waste Code** Not regulated under RCRA 40 CFR 261  
 Keep away from natural water sources. Observe all applicable federal, state, and local regulations.  
 Empty packaging: Remove all residue when emptying.

## Section 14: Transport Information

**DOT Hazard Class** Non-Hazardous, not regulated.

## Section 15: Regulatory Information

**OSHA Hazard Communication Standard (26 CFR 1910.1200)** Hazardous  
**CERCLA/Superfund (40 CFR 117, 302)** This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.  
**SARA Extremely Hazardous Substances (40 CFR 355)** This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.  
**SARA Hazard Categories (40 CFR 370)** Chronic  
**SARA Toxic Substances (40 CFR 372)** This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.  
**Toxic Substances Control Act State Regulations** For FDA/Cosmetic Use only.  
 None listed.

## Section 16: Other Information

**Current Issue Date:** July, 2007  
**Previous Issue Date:** None  
**Changes from Previous Issue Date:** New MSDS

Hazard Ratings	HMIS (II)	NFPA
Health	1	1
Flammability	1	1
Physical Hazards	0	0
HMIS PPE	B	

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