

Material Safety Data Sheet



HMIS®

HEALTH	0	REACTIVITY	0
FLAMMABILITY	1	PERSONAL PROTECTION	A

SECTION I – Product and Company Identification

Identity (As Used on Label and List) Ectopamine Natural Flea & Tick Spray for Dogs & Puppies	EPA Product 25B-27A	<i>Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.</i>
Distributed By Sergeant’s Pet Care Products, Inc.	Emergency Telephone Number 1-800-424-9300 or 1-800-224-7387	
Address (Number, Street, City, State, and ZIP Code) P.O. Box 540399	Telephone Number for Information 1-402-938-7000	
Omaha, NE 68154-0399	Date Prepared 1/31/08	

SECTION II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	CAS No.	OSHA PEL	ACGIH-TLV	Other Limits Recommended	% (Opt.)
Peppermint Oil	8006-90-4	Not established	Not established		1.00
Cinnamon Oil	8007-80-5	Not established	Not established		1.50
Lemon Grass Oil	8007-02-1	Not established	Not established		1.50
Clove Oil	97-53-0	Not established	Not established		1.70
Thyme Oil	8007-46-3	Not established	Not established		1.70

TSCA: All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

Any substance listed as hazardous by the States of California, Florida, Illinois, Michigan, New Jersey, Ohio, Pennsylvania or Texas is described above if known present in regulated concentrations.

SECTION III Physical/Chemical Characteristics

Boiling Point	NA	Specific Gravity (H₂O = 1) @70° F	0.86
Vapor Pressure (mm-Hg @ 70° F)	NA	Melting Point	NA
Vapor Density (AIR = 1)	NA	Evaporation Rate (Butyl Acetate = 1)	NA
Solubility in Water	Negligible	pH	NA
Appearance and Odor – Clear liquid with a mild sweet citrus and minty odor.			

SECTION IV - Fire and Explosion Hazard Data

Flash Point (Method Used) 288° F (Calculated)	Flammable Limits No Data	LEL No Data	UEL No Data
Extinguishing Media - Use carbon dioxide, dry chemical, foam or fog.			
Special Fire Fighting Procedures - Keep containers cool and vapors down with water spray. Prevent runoff from entering sewers and public waterways. Wear SCBA in chemical fires.			
Unusual Fire and Explosion Hazards - None known			

SECTION V - Reactivity Data

Stability	Unstable		Conditions to Avoid - Heat, sparks, open flames
	Stable	X	

Incompatibility (Materials to Avoid) -

Strong alkalis and oxidizers.

Hazardous Decomposition or Byproducts -

Carbon dioxide, carbon monoxide, aldehydes, smoke and soot.

Hazardous Polymerization	May Occur		Conditions to Avoid - None known
	Will Not Occur	X	

SECTION VI - Health Hazard Data

Route(s) of Entry	Eyes?	Inhalation?	Skin?	Ingestion?
	Yes	Yes	No	No

Health Hazards (Acute and Chronic) -**Caution:** Avoid contact with eyes and breathing mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Follow good chemical hygiene practices to avoid these hazards.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
None known	No	No	No

Signs and Symptoms of Exposure -

Prolonged exposure may cause redness, tearing and burning in eyes, also redness, drying and cracking skin.

Medical Conditions Generally Aggravated by Exposure -

Pre-existing skin and renal conditions could be aggravated by overexposures.

Emergency and First Aid Procedures:

Eyes - 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. Call a poison control center or doctor for treatment advice. **Inhalation** - Get to fresh air. If breathing has stopped, qualified personnel should administer artificial respiration. **Skin** - Rinse skin immediately with plenty of water for 15-20 minutes. Remove and launder contaminated clothing. If irritation arises and persists, call a doctor for treatment advice. **Ingestion** - Call a physician or poison control center immediately.

SECTION VII - Precautions for Safe Handling and Use**Steps to be Taken in Case Material is Released or Spilled -**

Caution, slip hazard. Wipe up small spills with an absorbent material. For large spills, isolate and ventilate area. Eliminate all ignition sources. Wear protective gear as necessary. Dike to prevent spread. Pick up with a vacuum or an absorbent material. Put in a suitable container for proper disposal.

Waste Disposal Method - Consult local, state, and federal regulations. Do not reuse empty container, securely wrap original container in several layers of newspaper and discard in trash.

Precautions to be Taken in Handling and Storing - Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Store in a cool (under 120° F) dry location away from heat, sparks and open flame. Do not use around ignition sources such as heat, sparks, flame, etc. Do not smoke while using. Use with adequate ventilation.

Other Precautions - Follow label directions carefully. Keep out of reach of children. Keep container tightly sealed when not in use. Do not contaminate water, food or feed by use or storage. Do not swallow. Avoid inhaling mist and vapors.

SECTION VIII - Control Measures

Respiratory Protection (Specify Type) - Not usually necessary. Use with adequate ventilation. Use NIOSH/MSHA approved respirator if PELs or TLVs are exceeded.

Ventilation	Local Exhaust	Not usually needed	Special	None
	Mechanical (General)	Yes	Other	None

Protective Gloves -

Not usually needed, avoid contact with liquid.

Eye Protection -

Not usually needed, avoid contact with liquid.

Other Protective Clothing or Equipment -

Not usually necessary. Avoid direct contact.

Work/Hygienic Practices -

Normal. Wash hands after use and before eating, drinking, smoking, using restrooms, etc.

These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.