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## MATERIAL SAFETY DATA SHEET

**Product:** Sergeant's Flea & Tick Powder for Cats

**Code:** 50146

**U.P.C. #:** 0 73091 02211 4

**Size:** 150g

**P.C.P. Act Registration No:** 22116

**Chemical Family:** Carbamate, Bontanical, Insecticide

**Chemical Name:** Carbaryl (CAB), Pyrethrins (PYR) I & II, Piperronyl Butoxide (PBU), Diatomaceous Earth (SIL)

### SECTION 2 – HAZARDOUS INGREDIENTS

INGREDIENT	CONTENT	CAS-NUMBER	EXPOSURE LIMITS
Carbaryl (CAB)	5%	63-25-2	5mg/m <sup>3</sup>
Pyrethrins (PYR) I & II	0.10%	121-21-1 & 121-29-9	5mg/m <sup>3</sup>
Piperronyl Butoxide (PBU)	1%	51-03-6	5mg/m <sup>3</sup>
Diatomaceous Earth (SIL)	50%	7631-86-9	N/A

### SECTION 3 – PHYSICAL PROPERTIES

**Physical Form:** Powder

**Appearance:** Light Powder

**Color:** Tan

**Odor:** Woody

**PH:** 7.2

**Boiling Point:** Not Applicable

**Melting/Freezing Point:** Not Applicable

**Solubility in Water:** Not Applicable

**Specific Gravity:** Dens > 13.8/cu.ft.

**Bulk Density:** Not Applicable

**% Volatile By Volume:** Not Applicable

**Evaporation Rate:** Not Applicable

**Vapor Pressure:** .002 mm Hg

**Vapor Density:** Not Applicable

**SECTION 4 - FIRE AND EXPLOSION**

**Flash Point:** Not Applicable

**Flammable Limits:**

**Upper Explosive Limit (UEL) (%):** Not Applicable

**Lower Explosive Limit (LEL) (%):** Not Applicable

**Auto-Ignition Temperature:** Not Applicable

**Extinguishing Media:** Carbon Dioxide, Dry Chemical or Water Fog

**Special Fire Fighting Procedures:** Respiratory protection required against inhalation of suspended dust and decomposition products. Minimize the amount of water used and dike the area for the spread of run-off.

**Unusual Fire/Explosion Hazards:** Air borne dust may be explosive in high concentration.

**SECTION 5 - HUMAN HEALTH DATA**

**Route of Entry:** Inhalation LD50>5515mg/litre (Rats)

**Humans Effects and Symptoms of Overexposure:**

**Acute Effects of Exposure:** May cause temporary irritation to eyes, nose, throat and respiratory tract. Inhalation or ingestion may cause nausea, vomiting and nervous system symptoms.

**Chronic Effects of Exposure:** Carbaryl is a moderate reversible cholinesterase inhibitor.

**Carcinogenicity:** None of the components in this product are known to be carcinogenic.

**Medical Conditions:** Irritation of eyes and mucosa, hyperexcitability, uncoordination, convulsions and diarrhea.

**Aggravated by Exposure:** Not Noted

**SECTIONS 6 - EMERGENCY AND FIRST AID PROCEDURES:**

**First Aid for Eyes:** Immediately flush with flowing water. If irritation persists, get medical attention.

**First Aid for Skin:** Wash immediately with soap and water. Remove contaminated clothing. If irritation occurs, get medical attention.

**First Aid for Inhalation:** Remove patient to fresh air. Treat breathing problems symptomatically with atropine sulphate.

**First Aid for Ingestion:** Induce vomiting and consult a physician.

**Note to Physician:** Treat breathing problems symptomatically with atropine sulphate. Give symptomatic and supportive care.

**SECTION 7 - EMPLOYEE PROTECTION RECOMMENDATIONS:**

**Eye Protection Requirements:** None Required

**Skin Protection Requirements:** None Required

**Respirator Requirements:** Do not breathe dusts – NIOSH/MSHA approved respirator, if required.

**Additional Protective Measures:** Wash hands thoroughly after handling product, avoid dust from eyes.

## **Sergeant's Flea & Tick Powder for Cats**

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### **SECTION 8 - REACTIVITY DATA:**

**Stability:** This is a stable material

**Hazardous Polymerization:** Will not occur

**Incompatibilities:** Water, acidic or alkaline conditions and strong oxidizers

**Instability Conditions:** Elevated temperatures, 40°C and above

**Decomposition Products:** None Known

### **SECTION 9 - SPILL AND LEAK PROCEDURES:**

**Spill Or Leak Procedures:** Stop leak and contain spill. Sweep up spilled material and shovel in waste containers for disposal. Clean area with detergent and water, absorb wash and place in waste container.

**Waste Disposal Method:** Do not reuse container. For large quantities, product should be disposed of in accordance with provincial requirements. For additional information on the disposal of unused, unwanted product and the clean up of spills, contact the Regional Office of Conservation and protection, Environment Canada.

### **SECTION 10 - SPECIAL PRECAUTIONS & STORAGE DATA:**

**Storage Temperature:** Min: None Max: 40°C

**Shelf Life:** Not Noted

**Special Sensitivity:** Not Noted

**Handling/Storage Precautions:** Store in cool, dry, ventilated area. Keep out of reach of children and pets. Do not open until ready to use.

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**Issue Date: January 1<sup>st</sup>, 2005**