



MATERIAL SAFETY DATA SHEET

ROLF C. HAGEN INC., 20500 TRANSCANDA HWY,
BAIE D'URFÉ, QUEBEC, H9X 0A2
CANADA

Flea & Tick Mousse for Dogs
Sergeant's
70105

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Section I. Product identification and uses	
Product name	Sergeant's Flea & Tick Mousse for Dogs
CAS #	Mix
Use	Insecticide
Supplier	Rolf C. Hagen Inc., 20 500 Trans Canada Hwy, Baie d'Urfé, H9X 0A2
Emergency	Call your local Poison Control Centre

Section II. Composition and information on ingredients					
Ingredients	Conc. (%)	CAS #	EINECS #	LD50	LC50
Permethrin	0.050	52645-53-1		>2500 mg/kg (oral - rat)	
Pyrethrins	0.056	8003-34-7		>1680 mg/kg (oral - rat)	
Ethanol	10 – 30	64-17-5		7060 mg/kg (rat)	31,623 ppm inhalation (4 hr-rat)
Isobutane	1 - 5	75-28-5			142,500 ppm inhalation (4 hr- rat)
Oxide de dimethyle	5 – 10	115-10-6			164,000 ppm inhalation (4 hr-rat)

Section III. Hazardous ingredients		
WHMIS	Classification	Transport of dangerous goods

Section IV. Physical data	
Physical state and appearance/Odour	Aerosol, yellow emulsion / Fragrant
pH	9.0-10.0
Percent volatile	97-98%
Freezing point	Not available



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Boiling point	78.5°C
Specific gravity	0.94-0.98
Vapour density	Greater than 1
Odour threshold	Not available
Vapour pressure	50-60 psig @ 20°C
Evaporation rate	Greater than 1
Solubility	Soluble

Section V. Fire or explosion risk			
Flammability conditions			
Not a flammable product (as per Canadian aerosol regulations)			
Means of extinction			
Water, Carbon Dioxide, Dry Chemical or Foam			
Procedures in case of a fire			
Water from fogging nozzles may be used to cool closed containers to prevent build-up if exposed to extreme temperatures. Full protective equipment including self contained breathing apparatus should be worn in a fire involving this material.			
Hazardous combustion materials			
Hydrocarbon fumes and smoke. Carbon Monoxide where combustion is incomplete.			
Flash point	Flammability threshold		Temp auto-ignition
13°C	Minimal	Maximal	422°C

Section VI. Reactivity data	
Instability conditions	Stable
Incompatible products	Strong oxidizing agents



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Reactivity conditions	Not applicable
Hazardous decomposition products	Hydrocarbon fumes and smoke. Carbon Monoxide where combustion is incomplete.

Section VII. Toxicological properties

Routes of entry

Effects of acute	Dizziness, nausea, irritation to skin and eyes.
Eye	Vapors may irritate
Skin	May cause irritation
Inhalation	Inhalation of solvents may cause irritation. Propellant is a simple asphyxiant.
Ingestion	May cause headache, nausea, vomiting and weakness.
Effects of chronic overexposure	Solvents may cause deffating dermatitis.

Section VIII. First aid

Eye contact	Immediately flush with flowing water for at least 15 minutes and get medical attention.
Skin contact	Wash thoroughly with soap and water.
Inhalation	If affected by inhalation of vapor or spray mist, remove to fresh air.
Ingestion	Do not induce vomiting. Get medical attention.



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Section IX. Accidental release measures	
Person-related safety precautions	
Measures for environmental protection	Prevent from entering a water course.
Measures for cleaning/collecting	Remove all sources of ignition. Use an inert absorbent material and non-sparking tools. Ventilate area.

Section X. Handling and storage	
Store in a cool, well ventilated area not to exceed 50°C. Keep away from heat, sparks and open flames.	

Section XI. Exposure controls and personal protection	
Protective clothing	Safety Glasses.
Engineering controls	Ventilation – local (mechanical if used indoors on a continuous basis)

Section XII. Disposal considerations	
Product recommendation	Do not puncture or incinerate containers, even when empty. Dispose of in accordance with local, provincial and federal regulations.
Uncleaned packaging recommendation	

Section XIII. Ecological information	



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Not available

Section XIV. Transportation information
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T.D.G. Classification : Consumer commodity
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