



MATERIAL SAFETY DATA SHEET

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

Pretect Household Flea Spray
Sergeant's
70106

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Section I. Product identification and uses	
Product name	Pretect Household Flea Spray
CAS #	N/A
Use	Insecticide
Supplier	Rolf C. Hagen Inc., 20 500 Trans Canada Hwy, Baie d'Urfé, H9X 0A2
Emergency	Call your local Poison Control Center

Section II. Composition and information on ingredients					
Ingredients	Conc. (%)	CAS #	Exposure limit	LD50	LC50
Nylar	0.015%	95737-68-1	N/A	Not available	Not available
Tetramethrin	0.4%	7696-12-0	N/A	>5000 mg/kg oral rat	Not available
Sumithrin	0.3%	26002-80-2	N/A	Not available	Not available
Paraffinic Naphthenic Solvent	5-10%	64742-47-8	100 ppm	>5000 mg/kg oral rat	6.8 mg/L
Isobutane	10-30%:	75-28-5	1000 ppm	Not available	142,500 ppm (4h) Inhalation-rat
Propane	1-5%	74-98-6	1000 ppm	Not available	Not available

Section III. Hazardous ingredients		
WHMIS	Classification	Transport of dangerous goods
Not controlled	N/A	Not controlled



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Section IV. Physical data

Physical state and appearance/Odour	Aerosol, Clear amber liquid
pH	6-7
Percent volatile	99
Freezing point	Not available
Boiling point	100-269°C
Specific gravity	0.96-0.99 (liquid), 0.83-0.87 (aerosol)
Vapour density	Greater than 1
Vapour pressure	50-60 psig
Odour threshold	Not available
Evaporation rate	Greater than 1
Solubility	Negligible
Odour threshold	Not available
VOC (%)	22-23

Section V. Fire or explosion risk

Flammability conditions
Excessive heat, sparks and open flame
Means of extinction
Water, carbon dioxide, dry chemical, 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



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Flash point	Flammable limit (% by volume)		Temp auto-ignition
64°C (tag close-up, concentrate)	Minimal	Maximal	310°C
	0.7	9.5	

Section VI. Reactivity data	
Instability conditions	Product is stable under normal conditions.
Incompatible products	Strong oxidizing agents
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	May cause irritation
Skin	May cause irritation
Inhalation	May cause irritation. Propellant is a simple asphyxiant.
Ingestion	May cause headache, nausea, vomiting and weakness
Effects of chronic overexposure	Solvents may cause defatting dermatitis.

Section VIII. First aid	
Eye contact	Flush immediately with plenty of water for at least 15 minutes and get medical attention
Skin contact	Wash thoroughly with soap and water
	Remove to fresh air



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Inhalation

Ingestion

Do not induce vomiting. Get medical attention

Section IX. Accidental release measures

Person-related safety precautions

Measures for environmental protection

Prevent from entering a watercourse.

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

Keep away from heat, sparks and open flame.
Store in a cool, well ventilated area not to exceed 50°C.

Section XI. Exposure controls and personal protection

Protective clothing

Chemical resistant gloves, safety glasses.
If used indoors on a continual basis, use of a cartridge type respirator (NIOSH/MSHATC 23C or equivalent) is recommended.

Engineering controls

Ventilation- Local

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

Since emptied container retains product residue, all labeled hazard precautions must be observed.

Section XIII. Ecological information

Not available



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Section XIV. Transportation information
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T.D.G. Classification : Consumer commodity (aerosols, UN1950, class 2.1)
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D.O.T. Classification: Consumer commodity ORM-D.
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