



MATERIAL SAFETY DATA SHEET

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

Protect Squeeze-on for Dogs

Sergeant's

70077

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Section I. Product identification and uses

Product name	Protect Squeeze-on Flea, Tick & Mosquito Control for Dogs over 30 kg
CAS #	Mix
Use	Domestic 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	40-60	52645-53-1		806 mg/kg rat	2.3mg/L rat
Pyriproxyfen	1-2.5	95737-68-1			

Section III. Hazardous ingredients

WHMIS	Classification	Transport of dangerous goods

Section IV. Physical data

Physical state and appearance/Odour	Clear amber liquid / Not available
pH	Not available
Percent volatile	Not available
Freezing point	Not available
Boiling point	>100°C
Specific gravity	Not available
Vapour density	Not available
Odour threshold	Not available



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Vapour pressure	Not available
Evaporation rate	Not available
Solubility	Partially soluble in water

Section V. Fire or explosion risk			
Flammability conditions			
Not flammable by OSHA criteria.			
Means of extinction			
Dry chemical, carbon dioxide, foam. Do NOT use water jet.			
Procedures in case of a fire			
Firefighters should wear full protective clothing including self contained breathing apparatus.			
Hazardous combustion materials			
May include and are not limited to: oxides of carbon.			
Flash point	Flammability threshold		Temp auto-ignition
	Minimal	Maximal	

Section VI. Reactivity data	
Instability conditions	Stable under recommended storage conditions.
Incompatible products	Oxidizers, caustics, acids.
Reactivity conditions	Do not mix with other chemicals.
Hazardous decomposition products	May include and are not limited to: oxides of carbon.



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Section VII. Toxicological properties	
Routes of entry	
Effects of acute	Acute oral: LD50 > 5000 mg/kg, rat Acute dermal: LD50 > 5000 mg/kg, rat
Eye	Non-irritating based on test data
Skin	Non-irritating based on test data. Not a skin sensitizer based on test data.
Inhalation	Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headaches, dizziness).
Ingestion	May be harmful if swallowed. May cause stomach distress, nausea or vomiting.
Effects of chronic overexposure	

Section VIII. First aid	
Eye contact	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Call a physician if irritation persists.
Skin contact	Flush with cool water. Wash with plenty of soap and water. Call a physician if irritation persists.
Inhalation	If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.
Ingestion	Do not induce vomiting. Rinse mouth with water then drink 1 or 2 glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious or is convulsing.



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Section IX. Accidental release measures

Person-related safety precautions Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from upwind of spill/leak.

Measures for environmental protection Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. Use water spray to reduce vapors or divert vapor cloud drift.

Measures for cleaning/collecting Small spills may be absorbed with inert absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or waterways. Never return spills in original containers for re-use.

Section X. Handling and storage

Use good industrial hygiene practices in handling this material.
Keep out of reach of children. Store in a closed container away from incompatible materials.

Section XI. Exposure controls and personal protection

Protective clothing Eyes: Wear safety glasses with side shields.
Hands: Rubber gloves.
Respiratory: Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice. When using, do not eat or drink. Wash hands before breaks and immediately after handling the product.

Engineering controls General ventilation normally adequate.

Section XII. Disposal considerations

Product recommendation Dispose according to local, provincial and federal regulations.

Do not reuse empty container. Place in trash.



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Uncleaned packaging
recommendation

Never place unused product down any indoor or outdoor drain.

Section XIII. Ecological information

Ecotoxicity – Freshwater Fish species data

permethrin, 96hr LC50 Pimephales prometas: 0.016 mg/L (flow-through)

Environmental effects: This product is toxic to fish and aquatic organisms.

Section XIV. Transportation information

DOT : Not regulated as dangerous goods.

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