



MATERIAL SAFETY DATA SHEET

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

Flea Carpet Guard Spray

D-87

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Section I. Product identification and uses

Product name	Flea Carpet Guard Spray
CAS #	Mix
Use	To kill fleas & ticks on carpets
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
Isopropyl alcohol	4.5-5.5	67-63-0	200-661-7	4,420 mg/kg – rat (oral) 13,000 mg/kg – rabbit (oral)	16,970 ppm – inhal (4h) rat
Pyrethrins	0.095-0.116	8003-34-7	232-319-8	N/A	N/A
Piperonyl Butoxide	0.84-1.26	51-03-6	200-076-7	N/A	N/A
Permethrin	0.049-0.060	52345-33-1	N/A	N/A	N/A

Section III. Hazardous ingredients

WHMIS	Classification	Transport of dangerous goods
Not controlled	N/A	Not controlled

Section IV. Physical data

Physical state and appearance/Odour	Opaque liquid / Characteristic odour
pH	6.50-7.50
Percent volatile	
Freezing point	N/A
Boiling point	



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	N/A
Specific gravity	0.9800-1.000
Vapour density	
Odour threshold	N/A
Vapour pressure	N/A
Evaporation rate	N/A
Solubility	Water

Section V. Fire or explosion risk			
Flammability conditions			
Water based product, represents no particular fire or explosion hazard under normal conditions.			
Means of extinction			
Use extinguisher with water, carbonic foam, dry chemical or carbon dioxide.			
Procedures in case of a fire			
Evacuate enclosed and surrounding areas. If fumes and smoke cannot be avoided, use adequate suit and breathing apparatus MSHA/NIOSH or an equivalent.			
Hazardous combustion materials			
N/A			
Flash point	Flammability threshold		Temp auto-ignition
N/A	Minimal	Maximal	N/A
	None	None	

Section VI. Reactivity data	
Instability conditions	This product is stable in non-emergency conditions.
Incompatible products	N/A
Reactivity conditions	Stable under normal conditions



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Hazardous decomposition products	None
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Section VII. Toxicological properties	
Routes of entry	
Effects of acute	
Eye	May cause irritation
Skin	May cause irritation
Inhalation	May cause irritation of the respiratory tract
Ingestion	May cause adverse health effects
Effects of chronic overexposure	None

Section VIII. First aid	
Eye contact	Immediately flush eyes with running water for a minimum of 20 minutes while holding eyelids open.
Skin contact	Wash with mild soap and water.
Inhalation	Remove to fresh air.
Ingestion	Do not induce vomiting. Give plenty of water to dilute. Call a physician.



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Section IX. Accidental release measures

Person-related safety precautions Wear adequate personal protective clothing and equipment

Measures for environmental protection Rinse well with water

Measures for cleaning/collecting Eliminate with water

Section X. Handling and storage

Dry and cool location with good ventilation.
No special handling measures required.

Section XI. Exposure controls and personal protection

Protective clothing The usual precautionary measures are to be adhered when handling chemicals.
Chemical safety goggles.

Engineering controls

Section XII. Disposal considerations

Product recommendation Dispose of in an approved landfill in accordance with federal, provincial and local regulations.

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

Section XIII. Ecological information

N/A

Section XIV. Transportation information

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