MATERIAL SAFETY DATA SHEET

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

Flea & Tick Collar for Cats
Sergeant's
50142

Section I. Product identification and uses	
Product name	Flea & Tick Collar for Cats
CAS #	N/A
Use	Flea & tick control
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 #	EINECS #	LD50	LC50
Chloroethene, homopolymer	40-60%	9002-86-2	N/A	N/A	N/A
Phenol, 2-(1-methylethoxy)-, methylcarbamate	2.5-10%	114-26-1	N/A	70 mg/kg rat	0.498 mg/L rat; 0.498 mg/l/4h rat
Titanium oxide	0.1-1%	13463-67-7	N/A	24000 mg/kg rat	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	Solid / Baby powder
pH	Not available
Flash point	> 87.77 °C (> 190 °F)
Freezing point	Not available

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Boiling point	Not available
Specific gravity	Not available
Vapour density	Not available
Vapour pressure	Not available
Evaporation rate	Not available
Odor threshold	Not available
Solubility	Insoluble in water

Section V. Fire or explosion risk			
Flammability conditions			
Flammable by OSHA criteria.			
Means of extinction			
Dry chemical, CO2, water spray or regular foam.			
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. Oxides of nitrogen. Hydrogen chloride. Toxic fumes.			
Flash point	Flammability threshold		Temp auto-ignition
> 87.77 °C (> 190 °F)	Minimal	Maximal	Not available
	Not available	Not available	

Section VI. Reactivity data	
Instability conditions	Stable under recommended storage conditions.
Incompatible products	Acids. Oxidizers. Caustics.
Reactivity conditions	Do not mix with other chemicals.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon. Oxides of nitrogen. Hydrogen

	chloride. Toxic fumes.

Section VII. Toxicological properties	
Routes of entry	
Effects of acute	May cause irritation to the eyes and skin. **Notes to physician:** Symptoms may be delayed. Dust released by this collar is a cholinesterase inhibitor. Atropine is antidotal.
Eye	May cause irritation
Skin	May cause irritation
Inhalation	Dusts of this product may cause irritation of the nose, throat, and respiratory tract.
Ingestion	May cause stomach distress, nausea or vomiting.
Effects of chronic overexposure	Non-hazardous by OSHA criteria.

Section VIII. First aid	
Eye contact	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
Skin contact	Flush with cool water. Wash with soap and water. Obtain medical attention 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 one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.

Section IX. Accidental release measures	
Person-related safety precautions	Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Measures for environmental protection	Prevent entry into waterways, sewers, basements or confined areas.
Measures for cleaning/collecting	Pick up and discard.

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	**Eye / face protection:** Wear safety glasses with side shields. **Hand protection:** Rubber gloves. Confirm with a reputable supplier first. **Skin and body protection:** As required by employer code. **Respiratory protection:** 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	Review federal, state/provincial, and local government requirements prior to disposal. Discard with solid waste.

Section XIII. Ecological information

Ecotoxicity - Freshwater Algae Data
Phenol, 2-(1-methylethoxy)-, methylcarbamate
114-26-1 96 Hr EC50 *Scenedesmus subspicatus*: 13.4 mg/L

Ecotoxicity - Freshwater Fish Species Data
Phenol, 2-(1-methylethoxy)-, methylcarbamate 114-26-1
96 Hr LC50 *Pimephales promelas*: 8.8 mg/L [flow-through]; 96 Hr LC50 *Oncorhynchus mykiss*: 13.6 mg/L

Ecotoxicity - Water Flea Data

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Phenol, 2-(1-methylethoxy)-, methylcarbamate
114-26-1 48 Hr EC50 *Daphnia magna*: 0.15 mg/L

Prepared by Rolf C. Hagen Inc. Validated June 29, 2009
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