



MATERIAL SAFETY DATA SHEET

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

Shower Bath
Hagen
H-22

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Section I. Product identification and uses	
Product name	Shower Bath for hamsters, gerbils, white mice and guinea pigs
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
n-octyl bicycloheptene dicarboximide	0.300	113-48-4		4980 mg/kg oral-rat	7080 mg/L inhal-rat
Piperonyl butoxide	0.180	51-03-6		4.6 g/kg oral-rat	>5.9 mg/L
Pyrethrins	0.090	80003-34-7		1680 mg/kg oral-rat	N/A
Propane	0.1-1.0	74-98-6		N/A	N/A
Isobutane	3-7	75-28-5		N/A	142,500 ppm (4h) inhal-rat

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

Section IV. Physical data	
Physical state and appearance/Odour	Aerosol, yellow emulsion / pyrethrin
pH	6-7
Percent volatile	97-98
Freezing point	Not available



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Boiling point	100°C
Specific gravity	0.97-1.01
Vapour density	Greater than 1
Odour threshold	Not available
Vapour pressure	50-60 psig
Evaporation rate	Less than 1
Solubility	Soluble

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.			
Flash point	Flammability threshold		Temp auto-ignition
N/A	Minimal	Maximal	N/A
	0.8	9.5	

Section VI. Reactivity data	
Instability conditions	Stable under normal conditions.
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	May cause irritation
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 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
Inhalation	Remove to fresh air



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Ingestion	Do not induce vomiting. Get medical attention.
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Section IX. Accidental release measures	
Person-related safety precautions	Remove all sources of ignition.
Measures for environmental protection	Prevent from entering a watercourse.
Measures for cleaning/collecting	Use an inert absorbent material and non-sparking tools. Ventilate area.

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

Section XI. Exposure controls and personal protection	
Protective clothing	If used indoors on a continuous basis, use of a cartridge type respirator (NIOSH/MSHATC 23C or equivalent) is recommended. Safety glasses.
Engineering controls	Ventilation-local (mechanical if used indoors on a continuous basis).

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



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Section XIII. Ecological information

Not available.

Section XIV. Transportation information

T.D.G. Classification : Consumer commodity (aerosols, UN1950, class 2.1)

D.O.T. Classification : Consumer commodity, ORM-D.

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