

MATERIAL SAFETY DATA SHEET

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MSDS # 111758001

RAID® FLEA KILLER PLUS FOGGER

Date Issued: 13Apr2004

Supersedes: 05Apr1999

US MANUFACTURER:

S.C. Johnson & Son, Inc.
Phone: (800) 725-6737
Racine, Wisconsin 53403-2236
Emergency Phone: (866) 231-5406
International Emergency Phone:
(952) 852-4647

CANADIAN MANUFACTURER:

S.C. Johnson and Son, Limited
Phone: (800) 725-6737
1 Webster Street
Brantford, Ontario N3T 5R1
Transportation Emergency:
CANUTEC (collect) (613) 996-6666
Poison Control: (866) 231-5406

HAZARD RATING	HMIS	HAZARD	NFPA	DISTRIBUTED IN CANADA BY:
4-Very High	1	Health	1	S.C. Johnson and Son, Limited
3-High	4	Flammability	4	Phone: (800) 725-6737
2-Moderate	0	Reactivity	0	1 Webster Street
1-Slight		Special		Brantford, Ontario N3T 5R1
0-Insignificant				

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME..... RAID® FLEA KILLER PLUS FOGGER
REASON FOR CHANGE..... No significant changes.
PRODUCT USE..... Insecticide

SECTION 2 - INGREDIENT INFORMATION

INGREDIENT	WEIGHT%	EXPOSURE LIMIT/TOXICITY
Pyrethrins (CAS# 8003-34-7).....	0.50	5 mg/m ³ ACGIH/OSHA TWA
Methoprene (CAS# 65733-16-6).....	0.075	NOT ESTABLISHED
N-octyl bicycloheptene dicarboximide..... (CAS# 113-48-4)	1.67	NOT ESTABLISHED
Piperonyl butoxide (CAS# 51-03-6).....	1.0	NOT ESTABLISHED
Butane (CAS# 106-97-8).....	7-13	800 ppm ACGIH/OSHA TWA
Propane (CAS# 74-98-6).....	7-13	1000 ppm OSHA PEL , 2500 ppm ACGIH TWA
Isobutane (CAS# 75-28-5).....	5-10	NOT ESTABLISHED

SECTION 3 - HEALTH HAZARDS IDENTIFICATION (Also See Section 11)

ROUTE(S) OF ENTRY..... Eye contact. Skin contact. Inhalation.
EFFECTS OF ACUTE EXPOSURE:
EYE..... None known.
SKIN..... Harmful if absorbed through skin.
INHALATION..... May cause: Irritation to nose, throat and respiratory tract.
INGESTION..... None known.
MEDICAL CONDITIONS..... None known.
GENERALLY RECOGNIZED
AS BEING AGGRAVATED
BY EXPOSURE

SECTION 4 - FIRST AID MEASURES

EYE CONTACT..... No special requirements.

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SECTION 4 - FIRST AID MEASURES (continued)

SKIN CONTACT..... Remove contaminated clothing within a reasonable time. Wash contaminated area with water and soap. If irritation persists, get medical attention.

INHALATION..... Remove to fresh air. Administer artificial respiration, if needed.

INGESTION..... No special requirements.

SECTION 5 - FIRE AND EXPLOSION INFORMATION

FLASH POINT..... < 20°F (< -7°C) (TCC) (propellant)

FLAMMABLE LIMITS..... Not available.

AUTOIGNITION..... Not available.

TEMPERATURE

EXTINGUISHING MEDIA.... Foam. CO2. Dry chemical. Water fog.

SPECIAL FIREFIGHTING... Cool and use caution when approaching or handling fire-exposed containers. Fire fighters should wear self-contained breathing apparatus and protective clothing.

PROCEDURES

UNUSUAL FIRE AND..... Aerosol product - Containers may rocket or explode in heat of fire.

EXPLOSION HAZARDS

SECTION 6 - PREVENTIVE RELEASE MEASURES

STEPS TO BE TAKEN IN... Eliminate all ignition sources. Absorb with oil-dri or similar CASE MATERIAL IS inert material. Sweep or scrape up and containerize. Do not let RELEASED OR SPILLED spilled or leaking material enter watercourse. May be toxic to aquatic life. Contains pesticides.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONARY..... CAUTION: Harmful if absorbed through skin. Harmful if inhaled. INFORMATION Avoid breathing spray mist or vapors. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not remain in enclosed areas after use. Ventilate enclosed areas before returning. Avoid contact with food or drink. Remove plants, pets, birds and cover and turn off fish aquariums before spraying. CONTENTS UNDER PRESSURE. Do not use near open fire, flames or heat. Exposure to temperatures above 130 F may cause bursting. Do not puncture or incinerate.

OTHER HANDLING AND..... Keep out of reach of children. STORAGE CONDITIONS

SECTION 8 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION. No special requirements under normal use conditions.

VENTILATION..... Ventilate enclosed areas before returning.

PROTECTIVE GLOVES..... No special requirements under normal use conditions.

EYE PROTECTION..... No special requirements under normal use conditions.

OTHER PROTECTIVE..... If major exposure is possible to eyes/skin, wear/use appropriate MEASURES protective equipment.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

COLOR..... Clear

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----- SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES (continued) -----

PRODUCT STATE.....	Dispensed as a spray mist.
ODOR.....	Fragrant
pH.....	Not available.
ODOR THRESHOLD.....	Not available.
SOLUBILITY IN WATER....	Negligible
SPECIFIC GRAVITY.....	0.9
(H ₂ O=1)	
VAPOR DENSITY (AIR=1)..	Not available.
EVAPORATION RATE (BUTYL	Not available.
ACETATE=1)	
VAPOR PRESSURE (mm HG).	Not available.
BOILING POINT.....	Not available.
FREEZING POINT.....	Not available.
COEFFICIENT OF.....	Not available.
WATER/OIL	
PERCENT VOLATILE BY....	Not available.
VOLUME (%)	
VOLATILE ORGANIC.....	Not available.
COMPOUND (VOC)	
THEORETICAL VOC.....	Not available.
(LB/GAL)	

----- SECTION 10 - STABILITY AND REACTIVITY -----

STABILITY.....	Stable
STABILITY - CONDITIONS.	None known.
TO AVOID	
INCOMPATIBILITY.....	None known.
HAZARDOUS DECOMPOSITION	When exposed to fire: Produces normal products of combustion.
PRODUCTS	
HAZARDOUS.....	Will not occur.
POLYMERIZATION	
HAZARDOUS.....	Not applicable.
POLYMERIZATION -	
CONDITIONS TO AVOID	

----- SECTION 11 - TOXICOLOGY INFORMATION (Also See Section 3) -----

LD50 (ACUTE ORAL TOX)...	Estimated to be greater than 5000 mg/kg (rats).
LD50 (ACUTE DERMAL TOX)	Estimated to be greater than 2000 mg/kg.
LC50 (ACUTE INHALATION.	Not available.
TOX)	
EFFECTS OF CHRONIC.....	None known.
EXPOSURE	
SENSITIZATION.....	None known.
CARCINOGENICITY.....	None known.
REPRODUCTIVE TOXICITY..	None known.
TERATOGENICITY.....	None known.
MUTAGENICITY.....	None known.

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----- SECTION 12 - ECOLOGICAL INFORMATION -----

ENVIRONMENTAL DATA..... Not available.

----- SECTION 13 - DISPOSAL CONSIDERATIONS -----

WASTE DISPOSAL..... If possible, recycle empty aerosol can to nearest steel
INFORMATION recycling center. Use up package or give to someone who can.

----- SECTION 14 - TRANSPORTATION INFORMATION -----

US DOT INFORMATION..... Insecticides or insect repellents, N.O.I., other than poison
Consumer commodity, ORM-D.
CANADIAN SHIPPING NAME. RAID® FLEA KILLER PLUS FOGGER
TDG CLASSIFICATION..... Not applicable.
PIN/NIP..... Not applicable.
PACKING GROUP..... Not applicable.
EXEMPTION NAME..... Not applicable.

----- SECTION 15 - REGULATORY INFORMATION -----

WHMIS CLASSIFICATION... Not applicable.

All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

All ingredients in this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

This product is not subject to the reporting requirements under California's Proposition 65.

----- SECTION 16 - OTHER INFORMATION -----

ADDITIONAL INFORMATION. NFPA 30B Level 1 Aerosol.
EPA REGISTRATION #..... 4822-229

----- PREPARATION INFORMATION -----

PREPARED BY..... Manufacturer's Technical Support Department. Refer to page 1
(Manufacturer) for contact information.

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