

MATERIAL SAFETY DATA SHEET

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MSDS # 111640005

RAID® FLEA KILLER PLUS

Date Issued: 22May2003

Supersedes: 12Jan2000

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
PRODUCT USE..... Insecticide

UPC	SCJ CODE	QUANTITY	US SIZE	CANADIAN SIZE
62300 01733	21733	12		540 GM

SECTION 2 - INGREDIENT INFORMATION

INGREDIENT	WEIGHT%	EXPOSURE LIMIT/TOXICITY
Pyrethrum extract (CAS# 121-21-1).....	0.14	NOT ESTABLISHED
Tetramethrin (CAS# 7696-12-0).....	0.064	NOT ESTABLISHED
N-octyl bicycloheptene dicarboximide..... (CAS# 113-48-4)	1.0	NOT ESTABLISHED
Piperonyl butoxide (CAS# 51-03-6).....	1.0	NOT ESTABLISHED
Methoprene (CAS# 65733-16-6).....	0.015	NOT ESTABLISHED
Butane (CAS# 106-97-8).....	7-13	800 ppm ACGIH/OSHA TWA
Isobutane (CAS# 75-28-5).....	5-10	NOT ESTABLISHED
Propane (CAS# 74-98-6).....	1-5	1000 ppm OSHA PEL , 2500 ppm ACGIH TWA
Water (CAS# 7732-18-5).....	70-80	NOT ESTABLISHED

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

ROUTE(S) OF ENTRY..... Skin contact. Eye contact.

EFFECTS OF ACUTE EXPOSURE:

EYE..... May cause: Mild eye irritation.
SKIN..... May cause: Mild skin irritation.
INHALATION..... None known.
INGESTION..... Not available.

MEDICAL CONDITIONS..... None known.

GENERALLY RECOGNIZED
AS BEING AGGRAVATED
BY EXPOSURE

SECTION 4 - FIRST AID MEASURES

EYE CONTACT..... Rinse with plenty of water. If irritation persists, get medical attention.

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SECTION 4 - FIRST AID MEASURES (continued)

SKIN CONTACT..... Wash contaminated area with water and soap. If irritation persists, get medical attention.
INHALATION..... No special requirements.
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... Fight fire from maximum distance or protected area. Cool and use
PROCEDURES caution when approaching or handling fire-exposed containers.
Fire fighters should wear self-contained breathing apparatus and protective clothing.
UNUSUAL FIRE AND..... Aerosol product - Containers may rocket or explode in heat of
EXPLOSION HAZARDS fire.

SECTION 6 - PREVENTIVE RELEASE MEASURES

STEPS TO BE TAKEN IN... Eliminate all ignition sources. Dike large spills. Absorb with
CASE MATERIAL IS oil-dri or similar inert material. Sweep or scrape up and
RELEASED OR SPILLED containerize. Rinse affected area thoroughly with water.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONARY..... CAUTION: Harmful if absorbed through skin. Keep out of reach of
INFORMATION children. Avoid contact with skin, eyes and clothing. Do not remain in enclosed areas after use. Wash thoroughly after handling. Ventilate enclosed areas before returning. Avoid contact with food or drink. Remove plants, pets, birds and cover and turn off fish aquariums before spraying. Do not use near open fire, flames or heat. Do not store at temperatures above 120 °F (50 °C). CONTENTS UNDER PRESSURE. Do not puncture or incinerate.
OTHER HANDLING AND.... Store in a cool, dry place with adequate ventilation. Keep out
STORAGE CONDITIONS of reach of children. Do not puncture or incinerate.

SECTION 8 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION. No special requirements under normal use conditions.
VENTILATION..... General room ventilation is normally adequate. Substantial amounts of mists/vapors can be controlled with local exhaust ventilation or respiratory protection.
PROTECTIVE GLOVES..... No special requirements under normal use conditions.
EYE PROTECTION..... No special requirements under normal use conditions.
OTHER PROTECTIVE..... No special requirements.
MEASURES

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.....	Hydrocarbon Solvent
pH.....	Not applicable.
ODOR THRESHOLD.....	Not available.
SOLUBILITY IN WATER....	Appreciable
SPECIFIC GRAVITY.....	0.83
(H2O=1)	
VAPOR DENSITY (AIR=1)..	Not applicable.
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	Not applicable.
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.
PESTICIDAL WASTE - Observe all applicable Federal/ Provincial/
State regulations and Local/ Municipal ordinances regarding
disposal of pesticide wastes.

----- 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
TDG CLASSIFICATION..... Not applicable.
PIN/NIP..... Not applicable.
PACKING GROUP..... Not applicable.
EXEMPTION NAME..... Consumer commodity

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

WHMIS CLASSIFICATION... Non-regulated.

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. P.C.P. No. 24580
EPA REGISTRATION #..... 4822-273

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

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

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PRINT DATE: 18Oct2005