

MATERIAL SAFETY DATA SHEET

WORKING COPY

Date Issued: 11/16/2007
MSDS No: 350000003906
Revision No: New MSDS

RAID® FLEA KILLER

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: RAID® FLEA KILLER
GENERAL USE: Insecticide

MANUFACTURER:

S.C. Johnson & Son, Inc.
1525 Howe Street
Racine WI 53403-2236

24 Hr. Medical & Transport Emergency
Phone: (866) 231-5406
24 Hr. International Medical Emergency
Phone: (952) 852-4647

CANADIAN ADDRESS:

S.C. Johnson and Son, Limited
1 Webster Street
Brantford, Ontario N3T 5R1

24 Hr. Canadian Transport Emergency:

CANUTEC (Canadian Transportation):(613) 996 - 6666

REGISTRATION INFORMATION: EPA Reg. No. 4822-73

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

APPEARANCE/ODOR: Clear. Dispensed as a spray mist. Hydrocarbon Solvent odor.

IMMEDIATE CONCERNS: CAUTION: CONTENTS UNDER PRESSURE. Do not use near open fire, flames or heat. Do not puncture or incinerate. Do not store at temperatures above 120 °F (50 °C). Harmful if absorbed through skin. Avoid contact with eyes, skin and clothing.

POTENTIAL HEALTH EFFECTS

EYES: May cause: Mild eye irritation.

SKIN: Harmful if absorbed through skin. May cause skin irritation.

INGESTION: None known.

INHALATION: None known.

MEDICAL CONDITIONS AGGRAVATED: None known.

ROUTES OF ENTRY: Skin contact. Eye contact. Ingestion. Inhalation.

3. COMPOSITION / INFORMATION ON INGREDIENTS

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Chemical Name	Wt.%	CAS
Pyrethrum extract	0.14	000121-21-1
Tetramethrin	0.063	007696-12-0
N-octyl bicycloheptene dicarboximide	0.98	000113-48-4
Piperonyl Butoxide	1	000051-03-6
Propane	1 - 5	000074-98-6
Isobutane	5 - 10	000075-28-5
Butane	7 - 13	000106-97-8
Water	70 - 80	007732-18-5

4. FIRST AID MEASURES

EYES: Flush immediately with plenty of water for at least 15 to 20 minutes. If irritation develops, get medical attention.

SKIN: Flush immediately with plenty of water for at least 15 to 20 minutes. If irritation persists, get medical attention.

INGESTION: Do not induce vomiting! Immediately drink 1-2 glasses of water or milk. Do not administer anything by mouth to an unconscious person. Get medical attention immediately.

INHALATION: Remove to fresh air. If breathing is affected, get medical attention.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: < -7°C (20°F) (TCC) (propellant)

FLAMMABLE LIMITS:

Notes: Not Available

AUTOIGNITION TEMPERATURE: Not Available

FLAMMABLE CLASS: NFPA 30B Level 1 Aerosol.

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

EXPLOSION HAZARDS: Aerosol product - Containers may rocket or explode in heat of fire.

FIRE FIGHTING PROCEDURES: Fight fire from maximum distance or protected area. Cool and use caution when approaching or handling fire-exposed containers. Fire fighters should wear self-contained breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Eliminate all ignition sources. Dike large spills. Absorb with oil-dri or similar inert material. Sweep or scrape up and containerize. Rinse affected area thoroughly with water.

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7. HANDLING AND STORAGE

GENERAL PROCEDURES: Use only as directed. Observe good personal hygiene practices.

HANDLING: Do not puncture or incinerate. Keep away from heat, sparks and flame. Avoid contact with eyes, skin and clothing. Keep out of reach of children and pets. Wash thoroughly after handling. Avoid contact with food and food utensils.

STORAGE: Store in a cool, dry place with adequate ventilation.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OCCUPATIONAL EXPOSURE LIMITS					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
Propane	TWA	1000 ppm	1800 mg/m ³	1000 ppm	

ENGINEERING CONTROLS: Use only in a well ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: No special requirements under normal use conditions.

SKIN: No special requirements under normal use conditions. If prolonged or repeated contact is possible, wear suitable gloves.

RESPIRATORY: No special requirements under normal use conditions.

OTHER USE PRECAUTIONS: If major exposure is possible to eyes/skin, wear/use appropriate protective equipment.

COMMENTS: ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients except as noted in the table above.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Dispensed as a spray mist.

ODOR: Hydrocarbon Solvent

COLOR: Clear

pH: Not Applicable

PERCENT VOLATILE: > 80%

VAPOR PRESSURE: Not Available

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VAPOR DENSITY: Not Available

BOILING POINT: Not Available

FREEZING POINT: Not Available

FLASHPOINT AND METHOD: < -7°C (20°F) (TCC) (propellant)

SOLUBILITY IN WATER: Appreciable

EVAPORATION RATE: Not Available

SPECIFIC GRAVITY: 0.800

10. STABILITY AND REACTIVITY

STABILITY: Stable

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Sources of ignition (sparks, flame). Excessive heat.

HAZARDOUS DECOMPOSITION PRODUCTS: When exposed to fire: Produces normal products of combustion.

INCOMPATIBLE MATERIALS: Strong oxidizing materials (e.g. liquid chlorine).

11. TOXICOLOGICAL INFORMATION

ACUTE

DERMAL LD₅₀: Estimated to be greater than 2000 mg/kg (rabbit)

ORAL LD₅₀: Estimated to be greater than 5000 mg/kg (rats).

INHALATION LC₅₀: Estimated to be greater than 2 mg/L (rats)

CHRONIC: None known.

CARCINOGENICITY

Notes: None known.

SENSITIZATION: None known.

REPRODUCTIVE EFFECTS: None known.

TERATOGENIC EFFECTS: None known.

MUTAGENICITY: None known.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Not Available

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13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: If possible, recycle empty aerosol can to nearest steel 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.

RCRA HAZARD CLASS: D001 (Ignitable Waste)

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Aerosols, flammable

PRIMARY HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN 1950

PACKING GROUP: None

NOTE: S.C. Johnson ships this product as: Consumer Commodity ORM-D (non-bulk packages)

AIR (ICAO/IATA)

SHIPPING NAME: Aerosols, flammable

UN/NA NUMBER: UN 1950

PRIMARY HAZARD CLASS/DIVISION: 2.1

PACKING GROUP: None

NOTE: S.C. Johnson typically does not ship products via air, therefore it has not been determined if the current product container meets current IATA/ICAO package criteria. Refer to IATA/ICAO Dangerous Goods Regulations for detailed instructions when shipping this item by air.

VESSEL (IMO/IMDG)

SHIPPING NAME: Aerosols

UN/NA NUMBER: UN 1950

PRIMARY HAZARD CLASS/DIVISION: 2.1

PACKING GROUP: None

NOTE: S.C. Johnson ships this product as "Limited Quantity" when container quantity value is 1000 ml or less.

CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Aerosols, flammable

UN/NA NUMBER: UN 1950

PRIMARY HAZARD CLASS/DIVISION: 2.1

PACKING GROUP: None

TDG NOTE: Consumer Commodity

15. REGULATORY INFORMATION

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UNITED STATES

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt.%	CERCLA RQ
Pyrethrum extract	0.14	1 lbs.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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

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STATES WITH SPECIAL REQUIREMENTS

Chemical Name	Requirements
Pyrethrum extract	121-21-1 is included on the following U.S. State Government Lists: California Director's List of Hazardous Substances Massachusetts Oil & Hazardous Material List Massachusetts Right-to-Know Substances List Minnesota Right-to-Know Hazardous Substances List New Jersey Right-to-Know Substances List
Tetramethrin	7696-12-0 is included on the following U.S. State Government Lists: New Jersey Right-to-Know Substances List
Piperonyl Butoxide	51-03-6 is included on the following U.S. State Government Lists: New Jersey Right-to-Know Substances List
Propane	74-98-6 is included on the following U.S. State Government Lists: Massachusetts Oil & Hazardous Material List Massachusetts Right-to-Know Substances List Minnesota Right-to-Know Hazardous Substances List New Jersey Right-to-Know Substances List Pennsylvania Right-to-Know Hazardous Substances List
Isobutane	75-28-5 is included on the following U.S. State Government Lists: Massachusetts Oil & Hazardous Material List Massachusetts Right-to-Know Substances List New Jersey Right-to-Know Substances List New Jersey - Discharge Prevention - List of Hazardous Substances Pennsylvania Right-to-Know Hazardous Substances List
Butane	106-97-8 is included on the following U.S. State Government Lists: California Director's List of Hazardous Substances Massachusetts Oil & Hazardous Material List Massachusetts Right-to-Know Substances List Minnesota Right-to-Know Hazardous Substances List New Jersey Right-to-Know Substances List Pennsylvania Right-to-Know Hazardous Substances List

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

CANADA

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

CANADIAN ENVIRONMENTAL PROTECTION ACT: All ingredients in this product comply with the

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New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

16. OTHER INFORMATION

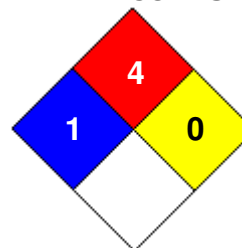
REASON FOR ISSUE: New format.

APPROVED BY: SCJ Global Safety Assessment & Reg. Affairs

HMIS RATING

HEALTH:	□	1
FLAMMABILITY:		4
PHYSICAL HAZARD:		0
PERSONAL PROTECTION:		

NFPA CODES



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