

MATERIAL SAFETY DATA SHEET

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MSDS # 120008001

RAID® MAX HOUSE & GARDEN BUG KILLER

Date Issued: 06Apr2006

Supersedes: 16Jan2004

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® MAX HOUSE & GARDEN BUG KILLER
PRODUCT USE..... Industrial/Institutional: Insecticide

UPC	SCJ CODE	QUANTITY	US SIZE	CANADIAN SIZE
62300 01790	1790	12		500 GM.

SECTION 2 - INGREDIENT INFORMATION

INGREDIENT	WEIGHT%	EXPOSURE LIMIT/TOXICITY
Pyrethrins (CAS# 8003-34-7).....	0.20	5 mg/m ³ ACGIH/OSHA TWA
Piperonyl Butoxide (CAS# 51-03-6).....	1.00	NOT ESTABLISHED
Dimethyl Ether (CAS# 115-10-6).....	10-30	NOT ESTABLISHED
Isopropanol (CAS# 67-63-0).....	10-30	400 ppm OSHA/ACGIH TWA , 500 ppm OSHA/ACGIH STEL

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

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

EFFECTS OF ACUTE EXPOSURE:

EYE..... May cause: Mild eye irritation.
SKIN..... May cause: Mild skin irritation.
INHALATION..... May cause: Irritation to nose, throat and respiratory tract.
INGESTION..... Harmful if swallowed. May cause: Dizziness. Headache. Nausea.
vomiting,

MEDICAL CONDITIONS..... Individuals with chronic respiratory disorders such as asthma,
GENERALLY RECOGNIZED chronic bronchitis, emphysema, etc., may be more susceptible to
AS BEING AGGRAVATED irritating effects.
BY EXPOSURE

SECTION 4 - FIRST AID MEASURES

EYE CONTACT..... Flush immediately with plenty of water for at least 15 to 20
minutes. Seek immediate 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..... Remove to fresh air. If breathing is affected, get medical attention.
INGESTION..... Do not induce vomiting! Get medical attention.

SECTION 5 - FIRE AND EXPLOSION INFORMATION

FLASH POINT..... < 20°F (< -7°C) (TCC) (propellant)
FLAMMABLE LIMITS..... 1-18 oz/ft3 %
AUTOIGNITION..... -399°C (0-399°F)
TEMPERATURE
EXTINGUISHING MEDIA.... Foam. CO2. Dry chemical. Water fog.
SPECIAL FIREFIGHTING... Cool and use caution when approaching or handling fire-exposed
PROCEDURES 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. Absorb with oil-dri or similar
CASE MATERIAL IS inert material. Sweep or scrape up and containerize. Contains
RELEASED OR SPILLED pesticides. Do not let spilled or leaking material enter watercourse. Ventilate spill area.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONARY..... CAUTION: Harmful if swallowed. Harmful if absorbed through skin.
INFORMATION Avoid breathing spray mist or vapors. Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling. Keep away from food, foodstuffs and domestic water supplies. Do not allow children or pets to contact treated surfaces until spray has dried. 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). Keep out of reach of children. Do not apply to humans or animals.
OTHER HANDLING AND..... Avoid contact with food or drink. Store in a cool, dry place
STORAGE CONDITIONS with adequate ventilation.

SECTION 8 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION. No special requirements under normal use conditions. If mists/vapors are not adequately controlled by ventilation, use appropriate respiratory protection to prevent overexposure.
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

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

COLOR..... Opaque
PRODUCT STATE..... Dispensed as a spray mist.
ODOR..... Alcohol
pH..... 6.5-7.5
ODOR THRESHOLD..... Not available.
SOLUBILITY IN WATER.... Dispersible
SPECIFIC GRAVITY..... 0.82-0.86
(H₂O=1)
VAPOR DENSITY (AIR=1).. Not available.
EVAPORATION RATE (BUTYL ACETATE=1) Not available.
VAPOR PRESSURE (mm HG). Not applicable.
BOILING POINT..... Not applicable.
FREEZING POINT..... Not available.
COEFFICIENT OF..... Not available.
WATER/OIL
PERCENT VOLATILE BY.... Not available.
VOLUME (%)
VOLATILE ORGANIC..... Ether
COMPOUND (VOC)
THEORETICAL VOC..... Not available.
(LB/GAL)

SECTION 10 - STABILITY AND REACTIVITY

STABILITY..... Stable
STABILITY - CONDITIONS. None known.
TO AVOID
INCOMPATIBILITY..... Strong oxidizing materials (e.g. liquid chlorine).
HAZARDOUS DECOMPOSITION PRODUCTS When exposed to fire: Produces normal products of combustion.
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 between 500 and 5000 mg/kg (rats).
LD50 (ACUTE DERMAL TOX) Between 2,000-20,000 mg/kg
LC50 (ACUTE INHALATION TOX) Not available.
EFFECTS OF CHRONIC..... Repeated exposure may lead to: dermatitis
EXPOSURE
SENSITIZATION..... None known.
CARCINOGENICITY..... None known.
REPRODUCTIVE TOXICITY.. None known.
TERATOGENICITY..... None known.
MUTAGENICITY..... None known.

SECTION 12 - ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA..... See label for environmental hazards.

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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. Do
not puncture or incinerate.

SECTION 14 - TRANSPORTATION INFORMATION

US DOT INFORMATION..... Aerosols, 2.1, UN 1950, Ltd. Qty.
CANADIAN SHIPPING NAME. RAID® MAX HOUSE & GARDEN BUG KILLER
TDG CLASSIFICATION..... Not applicable.
PIN/NIP..... Not applicable.
PACKING GROUP..... Not applicable.
EXEMPTION NAME..... Consumer commodity

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. Remove plants, pets, birds and cover
and turn off fish aquariums before spraying. P.C.P. Registration
#: 25306
EPA REGISTRATION #..... Not applicable.

PREPARATION INFORMATION

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

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