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Clean is just the beginning



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To: FRANCIS BEILSTEIN
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Comments: Clean is just the beginning

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MATERIAL SAFETY DATA SHEET

Page 1 of 4

MSDS # 111350017

RAID® WASP & HORNET KILLER 271

Date Issued: 19Aug2002

Supersedes: 09Feb1998

S.C. Johnson & Son, Inc.
1525 Howe Street
Racine WI 53403-2236
Phone: (800) 428-4795
Emergency Phone:
(888) 779-7920

HAZARD RATING	HMSIS	HAZARD	NFPA
4-Very High	1	Health	1
3-High	2	Flammability	2
2-Moderate	0	Reactivity	0
1-Slight		Special	
0-Insignificant			

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME..... RAID® WASP & HORNET KILLER 271
PRODUCT USE..... Household: Insecticide

SECTION 2 - INGREDIENT INFORMATION

INGREDIENT	WEIGHT%	EXPOSURE LIMIT/TOXICITY
Tetramethrin (CAS# 7696-12-0).....	0.20	NOT ESTABLISHED
Permethrin (CAS# 52645-53-1).....	0.20	NOT ESTABLISHED
Carbon Dioxide (CAS# 124-38-9).....	1-5	5000 ppm ACGIH TWA , 30000 ppm ACGIH STEL 10000 ppm OSHA TWA 30000 ppm OSHA STEL
Isoparaffinic Hydrocarbon Solvent..... (CAS# 64742-47-8)	90-98	100 ppm TWA (STODDARD SOLVENT)

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

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

EFFECTS OF ACUTE EXPOSURE:

EYE..... May cause: Mild eye irritation.
SKIN..... May cause: Drying/defatting of skin.
INHALATION..... May cause: Irritation of the respiratory tract.
INGESTION..... Aspiration into the lungs may cause severe health effects.

MEDICAL CONDITIONS..... None known.

GENERALLY RECOGNIZED
AS BEING AGGRAVATED
BY EXPOSURE

SECTION 4 - FIRST AID MEASURES

EYE CONTACT..... Flush immediately with plenty of water for at least 15 to 20 minutes. If irritation persists, get medical attention.
SKIN CONTACT..... Wash contaminated area with water and soap. If irritation persists, get medical attention.
INHALATION..... Remove to fresh air.
INGESTION..... Do not induce vomiting! Seek immediate medical attention.

SECTION 5 - FIRE AND EXPLOSION INFORMATION

FLASH POINT..... > 140°F (> 60°C) (TCC)
FLAMMABLE LIMITS..... Not available.
AUTOIGNITION..... Not available.
TEMPERATURE
EXTINGUISHING MEDIA.... Foam. CO2. Dry chemical. Water fog.

MATERIAL SAFETY DATA SHEET

Page 2 of 4

MSDS # 111350017

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----- **SECTION 5 - FIRE AND EXPLOSION INFORMATION (continued)** -----

SPECIAL FIREFIGHTING... PROCEDURES Normal fire fighting procedure may be used. Fight fire from maximum distance or protected area. Fire fighters should wear self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND..... EXPLOSION HAZARDS No special hazards known.

----- **SECTION 6 - PREVENTIVE RELEASE MEASURES** -----

STEPS TO BE TAKEN IN... CASE MATERIAL IS RELEASED OR SPILLED Wipe up spill with cloth and dispose of properly. Rinse affected area thoroughly with water. Do not let spilled or leaking material enter watercourse.

----- **SECTION 7 - HANDLING AND STORAGE** -----

PRECAUTIONARY..... INFORMATION **CAUTION:** Hazards to humans and animals. Harmful if swallowed. Avoid breathing spray mist or vapors. Avoid contact with skin, eyes and clothing. Do not apply to humans or animals. Keep away from food, foodstuffs and domestic water supplies. Environmental Hazard: This pesticide is toxic to fish. Keep out of lakes, ponds or streams. Do not contaminate water by cleaning or disposal of wastes. **NOTE TO PHYSICIAN:** Contains: petroleum distillate.

OTHER HANDLING AND..... STORAGE CONDITIONS Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. Do not pressurize, cut, heat, weld or expose container to flame; explosion could occur. Wash thoroughly after handling. Keep out of reach of children.

----- **SECTION 8 - SPECIAL PROTECTION INFORMATION** -----

RESPIRATORY PROTECTION. VENTILATION..... If ventilation is adequate, respiratory protection not required. For outdoor use only. Do not use indoors or in poorly ventilated areas.

PROTECTIVE GLOVES..... If prolonged or repeated contact is possible: Any impervious material.

EYE PROTECTION..... Safety glasses with side shields.

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

----- **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES** -----

COLOR..... Clear

PRODUCT STATE..... Dispensed as a spray mist.

ODOR..... Hydrocarbon Solvent

pH..... Not applicable.

ODOR THRESHOLD..... Not available.

SOLUBILITY IN WATER.... Negligible

SPECIFIC GRAVITY..... 0.79
(H₂O=1)

VAPOR DENSITY (AIR=1).. Not available.

EVAPORATION RATE (BUTYL ACETATE=1) Not available.

VAPOR PRESSURE (mm HG). Not available.

BOILING POINT..... Not applicable.

FREEZING POINT..... Not applicable.

MATERIAL SAFETY DATA SHEET

Page 3 of 4

MSDS # 111350017

RAID® WASP & HORNET KILLER 271

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

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..... None known.
 POLYMERIZATION -
 CONDITIONS TO AVOID

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

LD50 (ACUTE ORAL TOX).. 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.

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

ENVIRONMENTAL DATA.... This product is toxic to fish. Do not discharge into lakes, streams, ponds or public water unless in accordance with an NPDES Permit.

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

WASTE DISPOSAL..... PESTICIDAL WASTE - Observe all applicable Federal/ Provincial/
 INFORMATION State regulations and Local/ Municipal ordinances regarding disposal of pesticide wastes. If possible, recycle empty aerosol can to nearest steel recycling center. Use up package or give to someone who can.

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

US DOT INFORMATION..... Not applicable

MATERIAL SAFETY DATA SHEET

Page 4 of 4

MSDS # 111350017

RAID® WASP & HORNET KILLER 271

Date Issued: 19Aug2002

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----- **SECTION 14 - TRANSPORTATION INFORMATION (continued)** -----

CANADIAN SHIPPING NAME. RAID® WASP & HORNET KILLER 271
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 3 Aerosol. Use as directed.
EPA REGISTRATION #..... 4822-271

----- **PREPARATION INFORMATION** -----

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

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