



RAID COMMERCIAL INSECT KILLER

HMIS		NFPA	Personal protective equipment
Health	1	1	None Required
Fire Hazard	4	4	
Reactivity	0	0	

Version Number: 1

Preparation date: 2005-08-01

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: RAID COMMERCIAL INSECT KILLER

MSDS #: 126146002

Product code: 94891

Recommended use: Industrial/Institutional. Insecticide.

Manufacturer, importer, supplier:

US Headquarters	Canadian Headquarters
JohnsonDiversey, Inc.	JohnsonDiversey - Canada, Inc.
8310 16th St.	2401 Bristol Circle
Sturtevant, Wisconsin 53177-0902	Oakville, Ontario L6H 6P1
Phone: 1-888-352-2249	Phone: 1-800-668-3131
MSDS Internet Address:	
www.johnsondiversevy.com	

Emergency telephone number: 1-800-851-7145 (Prosar); 1-651-917-6133 (Int'l Prosar); 01-800-710-3400 (México)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION. CONTENTS UNDER PRESSURE. MAY BE HARMFUL IF ABSORBED THROUGH SKIN. MAY BE MILDLY IRRITATING TO EYES.

Principle routes of exposure: Inhalation. Skin contact. Eye contact.
Skin contact: Prolonged or repeated contact may dry skin and cause irritation.
Eye contact: May be mildly irritating to eyes.
Inhalation: May be irritating to nose, throat, and respiratory tract.
Ingestion: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

Ingredient	CAS #	Weight %	LD50 Oral	LD50 Dermal	LC50 Inhalation
Pyrethrum	121-21-1	0.1 - 1.5%	260 mg/kg (rat)	Not available	Not available
Piperonyl butoxide	51-03-6	1 - 5%	6150 mg/kg (rat)	200 mg/kg (rabbit)	Not available
Butane	106-97-8	10 - 20%	Not available	Not available	65.8 g/m ³ (rat)
Propane	74-98-6	5 - 10%	Not available	Not available	Not available
Isobutane	75-28-5	5 - 10%	Not available	Not available	Not available

4. FIRST AID MEASURES

Eye contact: Flush immediately with plenty of water. If irritation persists, get medical attention.
Skin contact: Rinse with plenty of water.
Inhalation: If breathing is affected, remove to fresh air. Get medical attention.
Ingestion: Immediately drink plenty of water. Get medical attention.
Aggravated Medical Conditions: Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects .

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Dry chemical, water spray, foam, carbon dioxide.
Specific hazards: Aerosol product - Containers may rocket or explode in heat of fire.
Unusual hazards: None known
Specific methods: No special methods required

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Extinguishing media which must not be used for safety reasons: No information available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Put on appropriate personal protective equipment (see Section 8.).
Environmental precautions and clean-up methods: Use appropriate containment to avoid environmental contamination. Sweep up and shovel into suitable containers for disposal. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Handling:

Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Keep away from food, foodstuffs and domestic water supplies. CONTENTS UNDER PRESSURE. Do not puncture or incinerate. FOR COMMERCIAL AND INDUSTRIAL USE ONLY

Storage:

Store in a cool, dry, well ventilated area away from heat or open flame. Protect from freezing. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 degrees C or 120 degrees F. Do not pierce or burn, even after use. Do not pierce or burn, even after use. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:

No special ventilation requirements. General room ventilation is adequate.

Personal Protective Equipment

Eye protection: No special requirements under normal use conditions
Hand protection: No special requirements under normal use conditions
Skin and body protection: No special requirements under normal use conditions
Respiratory protection: No special requirements under normal use conditions
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice

Ingredient	CAS #	ACGIH	OSHA	Mexico
Pyrethrum	121-21-1	5 mg/m ³ (TWA)	5 mg/m ³	10 mg/m ³ (STEL) 5 mg/m ³ (TWA)
Butane	106-97-8	1000 ppm (TWA)		1900 mg/m ³ (TWA)
Propane	74-98-6	1000 ppm (TWA)	1800 mg/m ³ 1000 ppm	
Isobutane	75-28-5	1000 ppm (TWA)		

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Color: Opaque
Odor: Characteristic
Specific gravity: No information available
Dilution pH: No information available
Bulk density: No information available
Vapor density: No information available
Evaporation rate: No information available
Solubility in other solvents: No information available
Viscosity: No information available
Partition coefficient (n-octanol/water): No information available

Appearance: Aerosol
Boiling point/range: Not determined
Melting point/range: Not determined
pH: 8
Density: 0.808
Decomposition temperature: Not determined
Autoignition temperature: No information available
Solubility: Insoluble
VOC: 30%
Flash point: <19.4 (°F) <-7 (°C)

10. STABILITY AND REACTIVITY

Stability: The product is stable
Polymerization: Hazardous polymerisation does not occur
Hazardous decomposition products: None reasonably foreseeable

11. TOXICOLOGICAL INFORMATION

Acute toxicity LD50 estimated to be greater than 5000 mg/kg.
Component Information: See Section 3
Chronic toxicity: None known
Specific effects
Carcinogenic effects: None known
Mutagenic effects: None known
Reproductive toxicity: None known
Target organ effects: None known

12. ECOLOGICAL INFORMATION

Environmental Information: When used for its intended purpose this product should not cause adverse effects in the environment

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

PESTICIDAL WASTE - Observe all applicable Federal/Provincial/State regulations and Local/Municipal ordinances regarding disposal of pesticide wastes. If possible, recycle empty aerosol cans to the nearest steel recycling center . Use up contents if possible before disposal .

14. TRANSPORT INFORMATION

DOT/TDG: Please refer to the Bill of Lading/receiving documents for up to date shipping information

15. REGULATORY INFORMATION

International Inventories

U.S. Regulations

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

STATE RIGHT TO KNOW

Ingredient	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:	ILRTK:	CTRTK:
Piperonyl butoxide	51-03-6	-	-	-	-	-	-
Butane	106-97-8	Listed	Listed	Listed	Listed	Listed	Listed
Propane	74-98-6	Listed	Listed	Listed	Listed	Listed	Listed
Isobutane	75-28-5	Listed	Listed	Listed	-	Listed	Listed

CERCLA / SARA

Ingredient	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Piperonyl butoxide	51-03-6	1 - 5%			Listed.
Butane	106-97-8	10 - 20%	100		
Propane	74-98-6	5 - 10%	100		
Isobutane	75-28-5	5 - 10%	100		

Canada

WHMIS hazard class: Not for sale in Canada .

16. OTHER INFORMATION

Reason for revision: Not applicable
Prepared by: NAPRAC
Additional advice: NFPA 30B Level 1 Aerosol. Remove or cover terrariums, aquariums and animal cages before application.
Turn off aquarium air-filter while spraying .

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