



RAID COMMERCIAL FLYING INSECT KILLER

HMIS		NFPA	Personal protective equipment
Health	1	1	None / Aucune / Ninguno
Fire Hazard	4	4	
Reactivity	0	0	

Version Number: 2

Preparation date: 2006-04-27

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: RAID COMMERCIAL FLYING INSECT KILLER

MSDS #: 126147.003

Product code: 94892

Recommended use: Industrial/Institutional. Insecticide.

Manufacturer, importer, supplier:

US Headquarters
JohnsonDiversey, Inc.
8310 16th St.
Sturtevant, Wisconsin 53177-0902
Phone: 1-888-352-2249
MSDS Internet Address:
www.johnsondiverse.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. HARMFUL IF ABSORBED THROUGH SKIN . MAY BE MILDLY IRRITATING TO EYES.

Principle routes of exposure: Inhalation. Skin contact. Eye contact.

Eye contact: May be mildly irritating to eyes.

Skin contact: Prolonged or repeated contact may dry skin and cause irritation. Harmful if absorbed through skin .

Inhalation: May be irritating to nose, throat, and respiratory tract.

Ingestion: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

Ingredient(s)	CAS #	Weight %	LD50 Oral - Rat	LD50 Dermal - Rabbit	LC50 Inhalation - Rat
Piperonyl butoxide	51-03-6	1 - 5%	=6150 mg/kg	=200 mg/kg	Not available
Tetramethrin [(1-cyclohexene-1,2-dicarboximido) methyl 2,2-dimethyl-3-(2-methylpropenyl) cyclopropanecarboxylate]	7696-12-0	0.1 - 1.5%	=4640 mg/kg	Not available	2500 mg/m ³ (3h)
Butane	106-97-8	10 - 20%	Not available	Not available	=658 g/m ³ (4 h)
Propane	74-98-6	5 - 10%	Not available	Not available	Not available
Isobutane	75-28-5	5 - 10%	Not available	Not available	=658 mg/L (4 h)

4. FIRST AID MEASURES

Eye contact: Flush immediately with plenty of water. Get medical attention if irritation occurs.

Skin contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes . Call medical attendant, medical doctor, or poison control center .

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. NFPA 30B Level 1 Aerosol .

5. FIRE-FIGHTING MEASURES

Unusual hazards: None known
Specific methods: Use water spray to keep fire-exposed containers cool.

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. Wash thoroughly after handling. Avoid breathing vapors or mists. Use only in well-ventilated areas. CONTENTS UNDER PRESSURE. Do not puncture or incinerate. Keep away from open flames, hot surfaces and sources of ignition. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

Storage:

Store in a cool, dry, well ventilated area away from heat or open flame. Keep away from food, foodstuffs and domestic water supplies. 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. 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(s)	CAS #	ACGIH	OSHA	Mexico
Butane	106-97-8	1000 ppm (TWA)		800 ppm (TWA) 1900 mg/m ³ (TWA)
Propane	74-98-6	1000 ppm (TWA)	1000 ppm (TWA) 1800 mg/m ³ (TWA)	
Isobutane	75-28-5	1000 ppm (TWA)		

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Compressed gas	Bulk density:	No information available
pH:	8	Dilution pH:	No information available.
Appearance:	Aerosol	Vapor density:	No information available
Color:	Opaque Colourless	Evaporation Rate	No information available
Odor:	Characteristic	Boiling point/range:	Not determined
Specific gravity:	0.804	Melting point/range:	Not determined
Density:	6.71	Decomposition temperature:	Not determined
VOC:	25	Autoignition temperature:	No information available
Flash point:	<19.4°F <-7°C	Partition coefficient (n-octanol/water):	No information available
Solubility:	Insoluble	Solubility in other solvents:	No information available
Viscosity:	No information available		

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Acute toxicity Oral LD50 estimated to be greater than 5000 mg/kg
Component Information: See Section 3

11. TOXICOLOGICAL INFORMATION

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: No data available

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

All components of this product are listed on the following inventories: U.S.A. (TSCA).

U.S. Regulations

EPA Reg. No. : 70627-51

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

STATE RIGHT TO KNOW

Ingredient(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:
Butane	106-97-8	X	X	X	X
Propane	74-98-6	X	X	X	X
Isobutane	75-28-5	X	X	X	-

CERCLA/ SARA

SARA 311/312 Hazard Categories

Immediate: Y
Delayed: N
Fire: Y
Reactivity: N

Canada

WHMIS hazard class: Not for sale in Canada.

Ingredient(s)	CAS #	NPRI
Butane	106-97-8	X
Propane	74-98-6	X
Isobutane	75-28-5	X

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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