MATERIAL SAFETY DATA SHEET

RAID COMMERCIAL FLYING INSECT KILLER

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 53177-1964
Phone: 1-888-352-2249
MSDS Internet Address: www.johnsondiversey.com

Emergency telephone number: 1-800-851-7145 (U.S.); 1-651-917-6133 (Int’l)

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 ingredients

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Weight %</th>
<th>LD50 Oral - Rat (mg/kg)</th>
<th>LD50 Dermal - Rabbit</th>
<th>LC50 Inhalation - Rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Piperonyl butoxide</td>
<td>51-03-6</td>
<td>1 - 5%</td>
<td>6150</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Tetramethrin [(1-cyclohexene-1,2-dicarboximido) methyl 2,2-dimethyl 3-(2-methylpropenyl) cyclopropane]carboxylate]</td>
<td>7696-12-0</td>
<td>0.1 - 1.5%</td>
<td>4640</td>
<td>Not available</td>
<td>2500 mg/m³ (3h)</td>
</tr>
<tr>
<td>Butane</td>
<td>106-97-8</td>
<td>10 - 20%</td>
<td>2000</td>
<td>Not available</td>
<td>=658 mg/L (4 h)</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>5 - 10%</td>
<td>2400</td>
<td>Not available</td>
<td>=658 mg/L (4 h)</td>
</tr>
<tr>
<td>Isobutane</td>
<td>75-28-5</td>
<td>5 - 10%</td>
<td>Not available</td>
<td>Not available</td>
<td>=658 mg/L (4 h)</td>
</tr>
</tbody>
</table>

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.

Unusual hazards: None known
5. FIRE-FIGHTING MEASURES
Specific methods: Use water spray to keep fire-exposed containers cool. Aerosol Product - Containers may rocket or explode in heat of fire.
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.). Remove all sources of ignition.
Environmental precautions and clean-up methods: Soak up with inert absorbent material. 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

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>ACGIH</th>
<th>OSHA</th>
<th>Mexico</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butane</td>
<td>106-97-8</td>
<td>1000 ppm (TWA)</td>
<td>1900 mg/m³ (TWA)</td>
<td>800 ppm (TWA)</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>1000 ppm (TWA)</td>
<td>1000 ppm (TWA)</td>
<td>1800 mg/m³ (TWA)</td>
</tr>
<tr>
<td>Isobutane</td>
<td>75-28-5</td>
<td>1000 ppm (TWA)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

9. PHYSICAL AND CHEMICAL PROPERTIES
Physical State: Aerosol
pH: None / aucun / ninguno
Appearance: Aerosol
Color: Colorless
Odor: Characteristic
Specific gravity: 0.804
Density: 6.71 lbs/gal 0.804 Kg/L
VOC: 25% *
Flash point: 20°F -6.66°C
Solubility: Insoluble
Viscosity: No information available

Bulk density: No information available
Diffusion pH: No information available
Vapor density: No information available
Evaporation Rate: No information available
Boiling point/range: Not determined
Decomposition temperature: Not determined
Melting point/range: Not determined
Autoignition temperature: No information available
Partition coefficient (n-octanol/water): No information available
Solubility in other solvents: No information available
Elemental Phosphorus: 0% by wt.

* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

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; Dermal LD50 estimated to be > 2000 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

Do not contaminate water, food, or feed by storage or disposal

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.

Pesticide Storage:

Store in original container in areas inaccessible to children. Open dumping is prohibited. Do not reuse empty container

Pesticide Disposal:

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law

Container Disposal:

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or, if allowed by State and local authorities burn. If burned, stay out of smoke.

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

CERCLA/ SARA

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Weight %</th>
<th>CERCLA/SARA RQ (lbs)</th>
<th>Section 302 TPQ (lbs)</th>
<th>Section 313</th>
</tr>
</thead>
<tbody>
<tr>
<td>Piperonyl butoxide</td>
<td>51-03-6</td>
<td>1 - 5%</td>
<td></td>
<td></td>
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<td></td>
<td>X</td>
</tr>
</tbody>
</table>

SARA 311/312 Hazard Categories

  - Immediate: -
  - Delayed: -
  - Fire: X
  - Reactivity: -
  - Sudden Release of Pressure: 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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