1. Product And Company Identification

Supplier
Chase Products Co.
19th and Gardner Road
Broadview, IL 60155 USA

Manufacturer
Chase Products Co.
19th and Gardner Road
Broadview, IL 60155 USA

Company Contact: Laura E. Radevski
Telephone Number: 708-865-1000
FAX Number: 708-865-0923
E-Mail: sales@chaseproducts.com
Web Site: www.chaseproducts.com

Supplier Emergency Contacts & Phone Number
Chem-Tel: 1-800-255-3924

Manufacturer Emergency Contacts & Phone Number
Chem-Tel: 1-800-255-3924

Issue Date: 08/06/2013

Product Name: SPRAYPAK FLYING & CRAWLING INSECT KILLER
Chemical Name: 7-7956-1
CAS Number: Not Established
EPA Registry Number: 498-174
MSDS Number: 5393
Product Code: 433-4106-7
Product/Material Uses: Insecticide

2. Composition/Information On Ingredients

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS Number</th>
<th>Percent Of Total Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUTANE</td>
<td>106-97-8</td>
<td></td>
</tr>
<tr>
<td>PERMETHRIN</td>
<td>52645-53-1</td>
<td>0.4</td>
</tr>
<tr>
<td>PETROLEUM DISTILLATE</td>
<td>64742-47-8</td>
<td></td>
</tr>
<tr>
<td>PIPERONYL BUTOXIDE</td>
<td>51-03-6</td>
<td>1</td>
</tr>
<tr>
<td>PROPANE</td>
<td>74-98-6</td>
<td></td>
</tr>
</tbody>
</table>

This product may also contain isobutane (CAS# 75-28-5). The ingredients listed on this section are only the hazardous components of the product.

3. Hazards Identification

**Primary Routes(s) Of Entry** - Ingestion (possible, but considered unlikely), eye contact, inhalation.

**Eye Hazards** - Irritant to the eyes.

**Skin Hazards** - May irritate the skin after prolonged contact.

**Ingestion Hazards** - This is an aerosol product, ingestion is unlikely to occur. Harmful if swallowed - may cause gastrointestinal effects such as nausea, vomiting and diarrhea.

**Inhalation Hazards** - Deliberate inhalation of concentrated vapor or mist may cause headaches, dizziness and nausea.

**Chronic/Carcinogenicity Effects** - Not known chronic effects based on available data. None of the ingredients, present in excess of 0.1%, are listed as carcinogenic by NTP, IARC or OSHA.

**Teratogenicity (Birth Defects)** - Not known

**Reproductive Effects** - Not known

**Neurotoxicity** - Not known

**Mutagenicity (Genetic Effect)** - Not known
3. Hazards Identification - Continued

**Signs And Symptoms** - Acute: Deliberate inhalation of concentrate vapor or mist may cause headaches, dizziness and nausea. Prolonged contact with the skin may cause irritation. Irritant to eyes.

**Conditions Aggravated By Exposure** - Pre-existing skin and respiratory disorders.

**Conditions Aggravated By Overexposure** - Pre-existing skin and respiratory disorders.

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4. First Aid Measures

**Eye** - Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Skin** - Wash skin with soap and water.

**Ingestion** - Ingestion from an aerosol product is unlikely to occur. Harmful if swallowed.

**Inhalation** - If overcome by vapor move person to fresh air. If person is not breathing, call 911 or an ambulance, then provide artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

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5. Fire Fighting Measures

**Flash Point:** Not available °F Not available °C

**Flash Point Method:** Not available

**Lower Explosive Limit:** Not available

**Upper Explosive Limit:** Not available

**Fire And Explosion Hazards** - This product is an aerosol product for which Flame Projection is 0 in. Temperatures above 120 F may cause cans to burst.

**Extinguishing Media** - Use CO2 (Carbon Dioxide), dry chemical, foam or water fog.

**Fire Fighting Instructions** - Water spray may be used to cool cans in the vicinity of fire or excessive heat.

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6. Accidental Release Measures

Provide adequate ventilation to area being treated. Soak up spills with chemically inert, absorbent material such as granular clay, saw dust, or pet litter.

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7. Handling And Storage

**Handling And Storage Precautions** - Store in a cool, dry place away from heat and open flame.

**Handling Precautions** - Do not deliberately inhale vapor or spray mist. Avoid contact with skin and eyes. Avoid contamination of feed and foodstuffs. Keep out of reach of children.

**Storage Precautions** - Keep away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors and static electricity). AEROSOL STORAGE LEVEL I (NFPA-30B)

**Work/Hygienic Practices** - Wash hands thoroughly, with soap and water, after using this product.

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Protective Clothing (Pictograms)
**8. Exposure Controls/Personal Protection**

<table>
<thead>
<tr>
<th>Engineering Controls</th>
<th>Use with adequate general or local exhaust ventilation.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye/Face Protection</td>
<td>Conventional eyeglasses to guard against splashing.</td>
</tr>
<tr>
<td>Skin Protection</td>
<td>Rubber or household type gloves, if desired.</td>
</tr>
<tr>
<td>Respiratory Protection</td>
<td>None required if used in a well-ventilated area. Do not remain in the area during treatment. Follow label directions.</td>
</tr>
</tbody>
</table>

**Ingredient(s) - Exposure Limits**

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUTANE</td>
<td>ACGIH TLV-TWA 1000 ppm</td>
</tr>
<tr>
<td>PETROLEUM DISTILLATE</td>
<td>OSHA PEL 500 ppm or 5mg/m3  as oil mist, mineral ; ACGIH TLV 100ppm or 5mg/m3 as oil mist, mineral</td>
</tr>
<tr>
<td>PROPANE</td>
<td>ACGIH TLV-TWA 2500 ppm ; OSHA PEL-TWA 1,000 ppm</td>
</tr>
</tbody>
</table>

**9. Physical And Chemical Properties**

| Appearance | Off-white emulsion. |
| Odor       | Cedarwood           |
| Chemical Type | Mixture               |
| Physical State | Liquid             |
| Melting Point | Not applicable °F Not applicable °C |
| Boiling Point | water 212 °F water 100 °C |
| Specific Gravity | 0.945 - 0.952 concentrate |
| Percent VOCs | 14.53 |
| Solubility | Insoluble |
| Evaporation Rate | Faster than butyl acetate |

**10. Stability And Reactivity**

| Stability     | Stable |
| Hazardous Polymerization | Will not occur |

**Conditions To Avoid (Stability)** - Temperatures above 120 F

**Incompatible Materials** - Avoid heat, open flame and contact with strong oxidizers.

**Hazardous Decomposition Products** - Thermal decomposition may yield gases like carbon monoxide and carbon dioxide.

**Conditions To Avoid (Polymerization)** - Temperatures above 120 F

**11. Toxicological Information**

No Data Available...

**12. Ecological Information**

**Ecotoxicological Information** - This product is toxic to fish, do not apply to any body of water.

**13. Disposal Considerations**

Do not puncture or incinerate container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions.

**14. Transport Information**

**Proper Shipping Name** - Limited Quantity - Insecticide spray
14. Transport Information - Continued

<table>
<thead>
<tr>
<th>Hazard Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DOT Identification Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN1950</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>DOT Shipping Label</th>
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</thead>
<tbody>
<tr>
<td>Aerosol Consumer Commodity</td>
</tr>
</tbody>
</table>

15. Regulatory Information

**U.S. Regulatory Information** - This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**CAUTION**
Harmful if inhaled

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All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**SARA Hazard Classes**
Acute Health Hazard; Chronic Health Hazard

SARA Title III - Section 313 Form "R"/TRI Reportable Chemical

**SARA Section 313 Notification** - This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material: Permethrin and Piperonyl Butoxide. See section 2 for % amounts in the product.

**Ingredient(s) - U.S. Regulatory Information**

PERMETHRIN
SARA Title III - Section 313 Form "R"/TRI Reportable Chemical

PIPERONYL BUTOXIDE
SARA Title III - Section 313 Form "R"/TRI Reportable Chemical

**Ingredient(s) - State Regulations**

BUTANE
New Jersey - Workplace Hazard; New Jersey - Environmental Hazard; New Jersey - Special Hazard; Pennsylvania - Workplace Hazard; Massachusetts - Hazardous Substance; New York City - Hazardous Substance

PERMETHRIN
New Jersey - Workplace Hazard; New Jersey - Environmental Hazard; Massachusetts - Hazardous Substance

PIPERONYL BUTOXIDE
New Jersey - Environmental Hazard

PROPANE
New Jersey - Workplace Hazard; New Jersey - Environmental Hazard; New Jersey - Special Hazard; Pennsylvania - Workplace Hazard; Massachusetts - Hazardous Substance; New York City - Hazardous Substance
16. Other Information

Revision/Preparer Information
MSDS Preparer: Regulatory Department
MSDS Preparer Phone Number: 708-865-1000
This MSDS Supersedes A Previous MSDS Dated: 06/22/2010

Disclaimer

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Chase Products Co.