SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier
Chemical Name: Pyrethrins, Piperonyl Butoxide and Permethrin
CAS No.: Mixture
EPA Registration Number: 45385-101-56
EPA Label Content: See full EPA label for more detailed information.
Trade Name: JT EATON KILLS BED BUGS PLUS AEROSOL
Product Code: 217, 217P

Relevant identified uses of the substance or mixture and uses advised against
Identified Use(s): Pesticide
Uses Advised Against: None

Company Identification
Spray Products Corporation
P.O. Box 737
Norristown, PA 19404

Emergency telephone number
Transportation Emergency: CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture
OSHA HCS (29 CFR 1910.1200)

Label elements

Signal word(s)
Hazard Symbol

Hazard Statement(s)
Flammable aerosol.
Pressurised container: May burst if heated.
May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause drowsiness or dizziness.

Precautionary Statement(s)
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not spray on an open flame or other ignition source.
Do not pierce or burn, even after use.
Wash hands and exposed skin after use.
Wear protective gloves/protective clothing/eye protection/face protection.
Avoid breathing dust/fume/gas/mist/vapours/spray.

Other hazards
Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Ingredient(s)</th>
<th>% wt.</th>
<th>CAS No.</th>
<th>Hazard classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane</td>
<td>5 - 10</td>
<td>74-98-6</td>
<td>Flam. Gas 2; H221</td>
</tr>
<tr>
<td>n-Butane</td>
<td>5 - 10</td>
<td>106-97-8</td>
<td>Flam. Gas 2; H221</td>
</tr>
<tr>
<td>Hydrotreated Light Distillate</td>
<td>10 - 15</td>
<td>64742-47-8</td>
<td>Flam. Gas 2; H221, Skin Irrit. 2; H315, Asp. Tox. 1; H304, Flam. Liq. 4; H227, Aquatic Acute 2; H401, Aquatic Chronic 2; H411</td>
</tr>
<tr>
<td>Permethrin</td>
<td>&lt; 1</td>
<td>52645-53-1</td>
<td>Acute Tox. 4, H302, H332, STOT SE 3; H336, Aquatic Acute 1; H400, Aquatic Chronic 1; H410</td>
</tr>
<tr>
<td>Pyrethrin</td>
<td>&lt; 1</td>
<td>8003-34-7</td>
<td>Acute Tox. 4, H302, H312, H332, Aquatic Acute 1; H400, Aquatic Chronic 1; H410</td>
</tr>
</tbody>
</table>

**Additional Information** - None

* The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200.

SECTION 4: FIRST AID MEASURES

**Description of first aid measures**

**Inhalation**
Remove person to fresh air and keep comfortable for breathing. If breathing is labored, administer oxygen. If symptoms develop, obtain medical attention. Call a POISON CENTER/doctor if you feel unwell.

**Skin Contact**
Not normally required. If skin irritation occurs: Get medical advice/attention.

**Eye Contact**
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

**Ingestion**
Unlikely to be required but if necessary treat symptomatically. Do not give anything by mouth to an unconscious person. Do NOT induce vomiting. Seek medical treatment.

**Most important symptoms and effects, both acute and delayed**
IF SWALLOWED: Do not induce vomiting

**Indication of any immediate medical attention and special treatment needed**
Not normally required.

SECTION 5: FIRE-FIGHTING MEASURES

**Extinguishing Media**

- Suitable Extinguishing Media
  - Extinguish with carbon dioxide, dry chemical, foam or waterspray.
- Unsuitable Extinguishing Media
  - Do not use water jet.

**Special hazards arising from the substance or mixture**
Flammable vapour.

**Advice for fire-fighters**
A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.
SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Avoid contact with skin and eyes. Avoid breathing gas/spray.

Environmental precautions
Prevent liquid entering sewers, basements and work pits.

Methods and material for containment and cleaning up
Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.

Reference to other sections
None

Additional Information
None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with skin and eyes. Use product in a well-ventilated area only. Do not use in confined spaces.

Conditions for safe storage, including any incompatibilities
- Storage temperature
Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Keep container tightly closed.

- Incompatible materials
This product should be stored away from sources of strong heat or oxidizing chemicals.

Specific end use(s)
Pesticide

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

<table>
<thead>
<tr>
<th>SUBSTANCE</th>
<th>CAS No.</th>
<th>(8hr TWA) PEL (OSHA)</th>
<th>TLV (ACGIH)</th>
<th>(STEL) PEL (OSHA)</th>
<th>TLV (ACGIH)</th>
<th>Note:</th>
</tr>
</thead>
<tbody>
<tr>
<td>C10-C15 Alkanes &amp; Cycloalkanes</td>
<td>Mixture</td>
<td>-----</td>
<td>1200 mg/m³</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>n-Butane</td>
<td>106-97-8</td>
<td>-----</td>
<td>250 ppm</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>1000 ppm</td>
<td>Aspyx.#</td>
<td>-----</td>
<td>-----</td>
<td>#</td>
</tr>
<tr>
<td>Pyrethrin</td>
<td>8003-34-7</td>
<td>5 mg/m³</td>
<td>5 mg/m³</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
</tbody>
</table>

#Assure minimum oxygen content of work atmosphere.

Recommended monitoring method
NIOSH 1500 (hydrocarbons, B.P. 36 - 126 ºC); NIOSH 1550 (Naphthas)

Exposure controls

Appropriate engineering controls
Ensure adequate ventilation.

Personal protection equipment

Eye/face protection
Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection (Hand protection/Other)
Wear suitable gloves if prolonged skin contact is likely (Nitrile rubber or Butyl rubber).
Respiratory protection
Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data.

Thermal hazards
Not normally required. Use gloves with insulation for thermal protection, when needed.

Environmental Exposure Controls
None known

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Information on basic physical and chemical properties</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Aerosol spray</td>
</tr>
<tr>
<td>Color</td>
<td>Colourless</td>
</tr>
<tr>
<td>Odor</td>
<td>Fuel oil-like.</td>
</tr>
<tr>
<td>Odor Threshold (ppm)</td>
<td>Not available</td>
</tr>
<tr>
<td>pH (Value)</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point / Freezing Point (°C)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Boiling point / boiling range (°C):</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flash Point (°C)</td>
<td>-104 (-155 °F) - Propane</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Extremely flammable</td>
</tr>
<tr>
<td>Explosive Limit Ranges</td>
<td>2.1% - 9.5% v/v (Propane)</td>
</tr>
<tr>
<td>Vapor pressure (Pascal)</td>
<td>ca. 95 x 10^4 (Propane)</td>
</tr>
<tr>
<td>Vapor Density (Air=1)</td>
<td>ca. 1.56 @ 0 °C (Propane)</td>
</tr>
<tr>
<td>Density (g/ml)</td>
<td>2.1% - 9.5% v/v (Propane)</td>
</tr>
<tr>
<td>Solubility (Water)</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility (Other)</td>
<td>Not available</td>
</tr>
<tr>
<td>Partition Coefficient (n-Octanol/water)</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto Ignition Point (°C)</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition Temperature (°C)</td>
<td>Not available</td>
</tr>
<tr>
<td>Kinematic Viscosity (cSt)</td>
<td>&lt;20 at 40°C</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive.</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Not oxidizing.</td>
</tr>
<tr>
<td>Other information</td>
<td>Not available</td>
</tr>
</tbody>
</table>

### SECTION 10: STABILITY AND REACTIVITY

| Reactivity                                           | Stable under normal conditions. |
| Chemical stability                                   | Stable. |
| Possibility of hazardous reactions                   | None anticipated. |
| Conditions to avoid                                   | Avoid contact with heat and ignition sources. |
| Incompatible materials                               | This product should be stored away from sources of strong heat or oxidizing chemicals. |
| Hazardous decomposition product(s)                   | Carbon monoxide, Carbon dioxide, Acrid smoke |

### SECTION 11: TOXICOLOGICAL INFORMATION

**Exposure routes:** Inhalation, Skin Contact, Eye Contact

**Information on toxicological effects**

*Hydrotreated Light Distillate (CAS No. 64742-47-8) - By analogy with similar materials:*

**Acute toxicity** (calculated / estimated)
- Oral: LD50 >5000 mg/kg-bw
- Dermal: LD50 >2000 mg/kg-bw
- Inhalation: LC0 ≥5.28 mg/l (Vapor), 4-hr. rat - May cause drowsiness or dizziness.
Irritation/Corrosivity
Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

Sensitization
It is not a skin sensitizer.

Repeted dose toxicity
Oral: NOEL 750 mg/kg
Dermal: NOEL 0.5 ml/kg bw
Inhalation: NOAEL ≥1000 mg/m3

Carcinogenicity
It is unlikely to present a carcinogenic hazard to man.

<table>
<thead>
<tr>
<th>NTP</th>
<th>IARC</th>
<th>ACGIH</th>
<th>OSHA</th>
<th>NIOSH</th>
</tr>
</thead>
</table>

Mutagenicity
Not to be expected

Reproductive toxicity
Not to be expected

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity
Hydrotreated Light Distillate (CAS No. 64742-47-8) - By analogy with similar materials:

Short term
LC50 (96 hour): 2.5 mg/L (fish)
EC50 (48 hour): 1.4 mg/L (crustacea)
EC50 (72 hour): 1.3 mg/L (algae)

Long Term
NOEC (28 days): 0.098 mg/L (fish)
LOEC (21 days): 1.2 mg/L (crustacea)
LOEL (72 hour): 1 mg/L (algae)

Active Pesticide:
Short term
LC50: <1 mg/L

Long Term
NOEC: <0.1 mg/L

Persistence and degradability
Biodegradable

Bioaccumulative potential
The product has no potential for bioaccumulation.

Mobility in soil
Not available.

Results of PBT and vPvB assessment
Not classified as PBT or vPvB.

Other adverse effects
None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods
Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

SECTION 14: TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>U.S. DOT</th>
<th>Sea transport (IMDG)</th>
<th>Air transport (ICAO/IATA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN number</td>
<td>1950</td>
<td>1950</td>
</tr>
<tr>
<td>Proper Shipping Name</td>
<td>Aerosols, flammable</td>
<td>Aerosols, flammable</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td>2.1</td>
<td>2.1</td>
</tr>
<tr>
<td>Packing group</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>None assigned</td>
<td>None assigned</td>
</tr>
<tr>
<td>Special precautions for user</td>
<td>None assigned</td>
<td>None assigned</td>
</tr>
</tbody>
</table>

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:
TSCA (Toxic Substances Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Typical %wt.</th>
<th>RQ (Pounds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pyrethrin</td>
<td>8003-34-7</td>
<td>0.15</td>
<td>1</td>
</tr>
</tbody>
</table>

SARA 311/312 - Hazard Categories:
- ☒ Fire
- ☒ Sudden Release
- ☐ Reactivity
- ☒ Immediate (acute)
- ☒ Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Typical %wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Piperonyl butoxide</td>
<td>51-03-6</td>
<td>0.75</td>
</tr>
<tr>
<td>Permethrin</td>
<td>52645-53-1</td>
<td>0.3</td>
</tr>
</tbody>
</table>

SARA 302 - Extremely Hazardous Substances (40 CFR 355):

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Typical %wt.</th>
<th>TPQ (pounds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>----</td>
<td>----</td>
<td>----</td>
</tr>
</tbody>
</table>

California Proposition 65 List:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Type of Toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>----</td>
<td>----</td>
</tr>
</tbody>
</table>

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

Date of preparation: January 6, 2015

Hazard Statement(s) and Risk Phrases Listed in: SECTION 2/ SECTION 3:

Hazard Statement(s)
- H221: Flammable gas.
- H227: Combustible liquid.
- H302: Harmful if swallowed.
- H304: May be fatal if swallowed and enters airways.
- H312: Harmful in contact with skin.
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H332: Harmful if inhaled.
- H335: May cause respiratory irritation.
- H336: May cause drowsiness or dizziness.
- H400: Very toxic to aquatic life.
- H401: Toxic to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.
- H411: Toxic to aquatic life with long lasting effects.

Training advice: None.

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