## SECTION 1: Product and company identification

<table>
<thead>
<tr>
<th>Product name</th>
<th>Total Release Fogger</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use of the substance/mixture</td>
<td>Aerosol Insecticide</td>
</tr>
<tr>
<td>Product code</td>
<td>804181</td>
</tr>
<tr>
<td>Company</td>
<td>Share Corporation</td>
</tr>
<tr>
<td></td>
<td>P.O. Box 245013</td>
</tr>
<tr>
<td></td>
<td>Milwaukee, WI 53224 - USA</td>
</tr>
<tr>
<td></td>
<td>T (414) 355-4000</td>
</tr>
<tr>
<td>Emergency number</td>
<td>Chemtrec: (800) 424-9300</td>
</tr>
</tbody>
</table>

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification (GHS-US)**
- Flam. Aerosol 1 H222
- Liquefied gas H280
- Skin Irrit. 2 H315
- Eye Irrit. 2A H319
- STOT SE 3 H336
- Asp. Tox. 1 H304

Full text of H-phrases: see section 16

### 2.2. Label elements

**GHS-US labeling**

- **Hazard pictograms (GHS-US)**:
  - GHS02
  - GHS04
  - GHS07
  - GHS08

- **Signal word (GHS-US)**: Danger
- **Hazard statements (GHS-US)**:
  - Extremely flammable aerosol
  - Contains gas under pressure; may explode if heated
  - May be fatal if swallowed and enters airways
  - Causes skin irritation
  - Causes serious eye irritation
  - May cause drowsiness or dizziness

- **Precautionary statements (GHS-US)**:
  - Keep away from heat, sparks, open flames, hot surfaces, Do not smoke. - No smoking
  - Do not spray on an open flame or other ignition source
  - Pressurized container: Do not pierce or burn, even after use
  - Avoid breathing mist, spray
  - Wash thoroughly after handling
  - Use only outdoors or in a well-ventilated area
  - Wear protective gloves, eye protection
  - If swallowed: Immediately call a doctor, a POISON CENTER, Do NOT induce vomiting
  - If on skin: Wash with plenty of IF ON SKIN: Wash with plenty of soap and water
  - If inhaled: Remove person to fresh air and keep comfortable for breathing
  - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
  - Call a POISON CENTER, a doctor if you feel unwell
  - Specific treatment (see First aid measures on this label)
  - Do NOT induce vomiting
  - If skin irritation occurs: Get medical advice/attention
  - If eye irritation persists: Get medical advice/attention
  - Take off contaminated clothing and wash before reuse
  - Store in a well-ventilated place. Keep container tightly closed
  - Store locked up
  - Protect from sunlight. Store in a well-ventilated place
  - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
  - Dispose of contents/container to comply with local/regional/national/international regulations

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable
SECTION 3: Composition/information on ingredients

3.1. Substance
Not applicable
Full text of H-phrases: see section 16

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>propane</td>
<td>(CAS No) 74-98-6</td>
<td>20 - 25</td>
<td>Flam. Gas 1, H220 Compressed gas, H280</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated light, Kerosine - unspecified, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 150 °C to 290 °C (302 °F to 554 °F).]</td>
<td>(CAS No) 64742-47-8</td>
<td>5 - 10</td>
<td>Not classified</td>
</tr>
<tr>
<td>isobutane</td>
<td>(CAS No) 75-28-5</td>
<td>5 - 10</td>
<td>Not classified</td>
</tr>
<tr>
<td>ETHYLHEXYLBICYCLOHEPTENE DICARBOXIMIDE</td>
<td>(CAS No) 113-48-4</td>
<td>0.4</td>
<td>Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation), H332 Skin Sens. 1, H317</td>
</tr>
<tr>
<td>permethrin (ISO), m-phenoxylbenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropane carboxylate</td>
<td>(CAS No) 52645-53-1</td>
<td>0.4</td>
<td>Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332</td>
</tr>
<tr>
<td>pyrethrins including cinerins, with the exception of those specified elsewhere in this Annex</td>
<td>(CAS No) 8003-34-7</td>
<td>0.05</td>
<td>Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:dust,mist), H332</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general: If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact: If skin irritation or rash occurs: Get medical advice/attention. Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.
First-aid measures after eye contact: Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion: Do not induce vomiting. Immediately call a poison center or doctor/physician. Vomiting: prevent asphyxia/aspiration pneumonia.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries: Extremely flammable. Contents under pressure. May be fatal if swallowed and enters airways. May cause drowsiness or dizziness. May cause damage to organs (central nervous system) (Inhalation).
Symptoms/injuries after inhalation: Harmful if inhaled. Dizziness.
Symptoms/injuries after skin contact: Causes skin irritation.
Symptoms/injuries after eye contact: Causes serious eye irritation.
Symptoms/injuries after ingestion: May be fatal if swallowed and enters airways.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture

Fire hazard: Flammable aerosol. Under fire conditions closed containers may rupture or explode.
Explosion hazard: Contains gas under pressure; may explode if heated. Vapors may travel long distances along ground before igniting/flashign back to vapor source.
Reactivity: Upon combustion: CO and CO2 are formed.

5.3. Advice for firefighters
Firefighting instructions: Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.
Protection during firefighting: Do not attempt to take action without suitable protective equipment.
SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Evacuate unnecessary personnel. Isolate from fire, if possible, without unnecessary risk. Gas is denser than air. May accumulate in low areas e.g. close to the ground.

6.1.1. For non-emergency personnel

Protective equipment: Do not enter without an appropriate protective equipment.

6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Stop leak if safe to do so. Stop release. Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Do not allow to enter drains or water courses.

6.3. Methods and material for containment and cleaning up

For containment: Stop leak if safe to do so. Isolate area until gas has dispersed. Eliminate every possible source of ignition. Use water spray to disperse the vapors. Collect spillage.

Methods for cleaning up: Take up liquid spill into inert absorbent material.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed: Pressurized container: Do not pierce or burn, even after use.

Precautions for safe handling: Avoid contact with skin, eyes and clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Pressurized container: Do not pierce or burn, even after use. Intentional misuse by deliberately concentrating and inhaling may be harmful or fatal.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Do not puncture, incinerate or crush.

Storage conditions: Do not expose to temperatures exceeding 50 °C/ 122 °F.

Heat-ignition: KEEP SUBSTANCE AWAY FROM: ignition sources. heat sources.

Storage area: Store in a cool area. Store away from heat.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th></th>
<th>ACGIH</th>
<th>OSHA</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>propane (74-98-6)</td>
<td>ACGIH TWA (ppm)</td>
<td>OSHA PEL (TWA) (ppm)</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>isobutane (75-28-5)</td>
<td>ACGIH STEL (ppm)</td>
<td></td>
<td>1000 ppm</td>
</tr>
<tr>
<td>pyrethrins including cinerins, with the exception of those specified elsewhere in this Annex (8003-34-7)</td>
<td>ACGIH TWA (mg/m³)</td>
<td>5 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Appropriate engineering controls: Ensure good ventilation of the work station.


SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Gas


Odor: Solvent-like odor

Odor threshold: No data available

pH: 7 - 8
**SECTION 10: Stability and reactivity**

**10.1. Reactivity**
Upon combustion: CO and CO2 are formed.

**10.2. Chemical stability**
The product is stable at normal handling- and storage conditions.

**10.3. Possibility of hazardous reactions**
Hazardous polymerization does not occur.

**10.4. Conditions to avoid**

**10.5. Incompatible materials**
acids. Oxidizing agent.

**10.6. Hazardous decomposition products**
Carbon dioxide. Carbon monoxide.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

Acute toxicity : Not classified

<table>
<thead>
<tr>
<th>Permethrin (ISO), m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate (52645-53-1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATE CLP (oral) : 500.000 mg/kg body weight</td>
</tr>
<tr>
<td>ATE CLP (dust, mist) : 1.500 mg/l/4h</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pyrethrins including cinerins, with the exception of those specified elsewhere in this Annex (8003-34-7)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat : 200 mg/kg (Rat)</td>
</tr>
<tr>
<td>LC50 inhalation rat (mg/l) : 3.4 mg/l/4h (Rat)</td>
</tr>
<tr>
<td>ATE CLP (oral) : 200.000 mg/kg body weight</td>
</tr>
<tr>
<td>ATE CLP (dermal) : 1100.000 mg/kg body weight</td>
</tr>
<tr>
<td>ATE CLP (vapors) : 3.400 mg/l/4h</td>
</tr>
<tr>
<td>ATE CLP (dust, mist) : 3.400 mg/l/4h</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation : Causes skin irritation.

pH: 7 - 8
Total Release Fogger
Safety Data Sheet

Serious eye damage/irritation: Causes serious eye irritation.
  pH: 7 - 8

Respiratory or skin sensitization: Not classified.

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified.

**permethrin (ISO), m-phenoxynbenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate (52645-53-1)**

<table>
<thead>
<tr>
<th>IARC group</th>
<th>3 - Not Classifiable</th>
</tr>
</thead>
</table>

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure): Not classified

Aspiration hazard: May be fatal if swallowed and enters airways.

Symptoms/injuries after inhalation: Harmful if inhaled. Dizziness.

Symptoms/injuries after skin contact: Causes skin irritation.

Symptoms/injuries after eye contact: Causes serious eye irritation.

Symptoms/injuries after ingestion: May be fatal if swallowed and enters airways.

Likely routes of exposure: Dermal; Inhalation

---

**SECTION 12: Ecological information**

**12.1. Toxicity**

pyrethrins including cinerins, with the exception of those specified elsewhere in this Annex (8003-34-7)

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>0.049 mg/l (96 h; Lepomis macrochirus)</td>
</tr>
<tr>
<td>LC50 other aquatic organisms 1</td>
<td>0.011 mg/l (96 h; Gammarus sp.)</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>0.009 mg/l (96 h; Ictalurus punctatus)</td>
</tr>
<tr>
<td>Threshold limit other aquatic organisms 1</td>
<td>0.011 mg/l (96 h; Gammarus sp.)</td>
</tr>
</tbody>
</table>

**12.2. Persistence and degradability**

pyrethrins including cinerins, with the exception of those specified elsewhere in this Annex (8003-34-7)

Persistence and degradability: Readily biodegradable in water.

**12.3. Bioaccumulative potential**

pyrethrins including cinerins, with the exception of those specified elsewhere in this Annex (8003-34-7)

Log Pow: 6.15 (Estimated value)

---

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Waste treatment methods: Dispose of contents/container to comply with local/regional/national/international regulations.

---

**SECTION 14: Transport information**

**Department of Transportation (DOT)**

Transport document description: UN1950 Aerosols (flammable, (each not exceeding 1 L capacity)), 2.1

UN-No.(DOT): UN1950

Proper Shipping Name (DOT): Aerosols

flammable, (each not exceeding 1 L capacity)

Transport hazard class(es) (DOT): 2.1 - Class 2.1 - Flammable gas 49 CFR 173.115

Hazard labels (DOT): 2.1 - Flammable gas

---

DOT Packaging Non Bulk (49 CFR 173.xxx): None

DOT Packaging Bulk (49 CFR 173.xxx): None

DOT Special Provisions (49 CFR 172.102): N82

DOT Packaging Exceptions (49 CFR 173.xxx): 306
**DOT Quantity Limitations**
- Passenger aircraft/rail (49 CFR 173.27): 75 kg
- Cargo aircraft only (49 CFR 175.75): 150 kg
- DOT Vessel Stowage Location: A
- DOT Vessel Stowage Other: 25 - Shade from radiant heat, 87 - Stow “separated from” Class 1 (explosives) except Division 14, 126 - Segregation same as for Class 9, miscellaneous hazardous materials

**Additional Information**
- Other information: No supplementary information available.

**ADR**
- No additional information available

**Transport by Sea**
- No additional information available

**Air Transport**
- No additional information available

**SECTION 15: Regulatory Information**

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS No</th>
<th>RQ (Reportable quantity, section 304 of EPA's List of Lists)</th>
</tr>
</thead>
<tbody>
<tr>
<td>permethrin (ISO), m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate</td>
<td>52645-53-1</td>
<td>1 lb</td>
</tr>
</tbody>
</table>

Listed on SARA Section 313 (Specific toxic chemical listings)

- propane (74-98-6)
- pyrethrins including cinerins, with the exception of those specified elsewhere in this Annex (8003-34-7)

Not listed on SARA Section 313 (Specific toxic chemical listings)

**California Proposition 65**
- This product does not contain a substance(s) known to the state of California to cause cancer and/or reproductive toxicity.

This chemical is a pesticide product registered by the United States 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. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

**Signal word: CAUTION**

Precautionary Statements: Causes moderate eye irritation. Harmful if absorbed through skin. Breathing spray mist may be harmful.

**SECTION 16: Other Information**

Training advice:
- Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of H-phrases:

<table>
<thead>
<tr>
<th>Acute Tox. 3 (Dermal)</th>
<th>Acute toxicity (dermal) Category 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 3 (Oral)</td>
<td>Acute toxicity (oral) Category 3</td>
</tr>
<tr>
<td>Acute Tox. 4 (Inhalation)</td>
<td>Acute toxicity (inhalation) Category 4</td>
</tr>
<tr>
<td>Acute Tox. 4 (Inhalation:dust,mist)</td>
<td>Acute toxicity (inhalation:dust,mist) Category 4</td>
</tr>
<tr>
<td>Acute Tox. 4 (Oral)</td>
<td>Acute toxicity (oral) Category 4</td>
</tr>
<tr>
<td>Asp. Tox. 1</td>
<td>Aspiration hazard Category 1</td>
</tr>
<tr>
<td>Compressed gas</td>
<td>Gases under pressure Compressed gas</td>
</tr>
<tr>
<td>Eye Irrit. 2A</td>
<td>Serious eye damage/eye irritation Category 2A</td>
</tr>
<tr>
<td>Flam. Aerosol 1</td>
<td>Flammable aerosol Category 1</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>-------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>Flam. Gas 1</td>
<td>Flammable gases Category 1</td>
</tr>
<tr>
<td>Liquefied gas</td>
<td>Gases under pressure Liquefied gas</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation Category 2</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>Skin sensitization Category 1</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity (single exposure) Category 3</td>
</tr>
<tr>
<td>H220</td>
<td>Extremely flammable gas</td>
</tr>
<tr>
<td>H222</td>
<td>Extremely flammable aerosol</td>
</tr>
<tr>
<td>H280</td>
<td>Contains gas under pressure; may explode if heated</td>
</tr>
<tr>
<td>H301</td>
<td>Toxic if swallowed</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H304</td>
<td>May be fatal if swallowed and enters airways</td>
</tr>
<tr>
<td>H311</td>
<td>Toxic in contact with skin</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled</td>
</tr>
<tr>
<td>H336</td>
<td>May cause drowsiness or dizziness</td>
</tr>
</tbody>
</table>

NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard : 4 - Will rapidly or completely vaporize at normal pressure and temperature, or is readily dispersed in air and will burn readily.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

Prepared by: Technical Department

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of this material.