1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: CR-2 ROACH & ANT KILLER
Product Number: 6903
Recommended Use: Insecticide
Uses Advised Against: For Industrial and Institutional Use Only

Manufacturer/Supplier: Spartan Chemical Company, Inc.
1110 Spartan Drive
Maumee, Ohio 43537 USA
800-537-8990 (Business hours)
www.spartanchemical.com

24 Hour Emergency Phone Numbers:
Medical Emergency/Information: 888-314-6171
Transportation/Spill/Leak: CHEMTREC 800-424-9300

2. HAZARDS IDENTIFICATION

GHS Classification

Skin Corrosion/Irritation: Category 2
Serious Eye Damage/Eye Irritation: Category 2B
Skin Sensitization: Category 1
Specific Target Organ Toxicity (Single Exposure): Category 3
Aspiration Toxicity: Category 1
Flammable Aerosols: Category 1
Gases Under Pressure: Compressed gas

GHS Label Elements
Signal Word: Danger
Symbols:

Hazard Statements:
Causes skin irritation.
Causes eye irritation.
May cause an allergic skin reaction.
May cause respiratory irritation. May cause drowsiness or dizziness.
May be fatal if swallowed and enters airways.
Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.

Precautionary Statements:
Prevention:
Wash hands and any exposed skin thoroughly after handling.
Wear protective gloves. Wear eye / face protection. Wear protective clothing.
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed out of the workplace
Use only outdoors or in a well-ventilated area
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Do not spray on an open flame or other ignition source
Pressurized container: Do not pierce or burn, even after use
Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal

Response:
-Eyes
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
-Skin
IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical attention.
-Inhalation:
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
-Ingestion:
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
-Specific Treatment:
See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

Storage:
Store locked up. Store in a well-ventilated place. Keep container tightly closed. Protect from sunlight. Do not expose to temperatures exceeding 122°F (50°C)

Disposal:
Dispose of contents and container in accordance with local, state and federal regulations.

Hazards Not Otherwise Classified:  Not Applicable

Other Information:
- May be harmful if swallowed.
- May be harmful in contact with skin.
- Inhalation of vapors or mist may cause respiratory irritation.
- Keep out of reach of children.
- Contains petroleum distillates. Possible aspiration hazard.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>C13-14 Alkane</td>
<td>64742-47-8</td>
<td>60-100</td>
</tr>
<tr>
<td>Carbon Dioxide</td>
<td>124-38-9</td>
<td>1-5</td>
</tr>
<tr>
<td>Piperonyl Butoxide</td>
<td>51-03-6</td>
<td>0.1-1</td>
</tr>
<tr>
<td>Permethrin</td>
<td>52645-53-1</td>
<td>0.1-1</td>
</tr>
<tr>
<td>Fragrance</td>
<td>PROPRIETARY</td>
<td>0.1-1</td>
</tr>
<tr>
<td>Tetramethrin</td>
<td>7696-12-0</td>
<td>&lt;0.1</td>
</tr>
<tr>
<td>Benzaldehyde</td>
<td>100-52-7</td>
<td>&lt;0.1</td>
</tr>
<tr>
<td>Limonene</td>
<td>5989-27-5</td>
<td>&lt;0.1</td>
</tr>
<tr>
<td>Ethyl Acetate</td>
<td>141-78-6</td>
<td>&lt;0.1</td>
</tr>
</tbody>
</table>

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

-Eye Contact:
Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

-Skin Contact:
Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical attention.

-Inhalation:
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

Note to Physicians:
Contains petroleum distillates. Possible aspiration hazard.
5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Water spray (fog), Foam
Specific Hazards Arising from the Chemical: Extremely flammable aerosol. Exposure to high temperature may cause containers to burst. Bursting aerosol containers may be propelled from fire at high speed.
Hazardous Combustion Products: May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
Protective Equipment and Precautions for Firefighters: Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Water may be used to cool closed containers to prevent pressure build-up and possible auto ignition or explosion when exposed to extreme heat.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with eyes and skin. Use personal protective equipment as required. Remove all sources of ignition.
Environmental Precautions: Do not rinse spill onto the ground, into storm sewers or bodies of water.
Methods for Clean-Up: Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

7. HANDLING AND STORAGE

Advice on Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Wash thoroughly after handling.
Storage Conditions: NFPA 30B Level 3 Aerosol. Do not store in direct sunlight or above 122 F° / 50 C°. Exposure to high temperature may cause containers to burst. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>STEL: 30000 ppm</td>
<td>TWA: 5000 ppm</td>
<td>IDLH: 40000 ppm</td>
</tr>
<tr>
<td>Carbon Dioxide</td>
<td>TWA: 9000 ppm</td>
<td>TWA: 9000 mg/m³</td>
<td>TWA: 5000 ppm</td>
</tr>
<tr>
<td>124-38-9</td>
<td>(vacated) TWA: 10000 ppm</td>
<td>(vacated) TWA: 18000 mg/m³</td>
<td>TWA: 9000 mg/m³</td>
</tr>
<tr>
<td></td>
<td>(vacated) STEL: 30000 ppm</td>
<td>(vacated) STEL: 54000 mg/m³</td>
<td>STEL: 30000 ppm</td>
</tr>
<tr>
<td>Ethyl Acetate</td>
<td>TWA: 400 ppm</td>
<td>TWA: 400 ppm</td>
<td>IDLH: 2000 ppm</td>
</tr>
<tr>
<td>141-78-6</td>
<td>(vacated) TWA: 1400 ppm</td>
<td>TWA: 1400 mg/m³</td>
<td>TWA: 400 ppm</td>
</tr>
<tr>
<td></td>
<td>(vacated) TWA: 400 ppm</td>
<td>TWA: 1400 mg/m³</td>
<td>TWA: 1400 mg/m³</td>
</tr>
</tbody>
</table>

Engineering Controls: Provide good general ventilation.
If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.

Personal Protective Equipment
Eye/Face Protection: Wear splash goggles.
Skin and Body Protection: Wear rubber or other chemical-resistant gloves.
Respiratory Protection: Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

10. STABILITY AND REACTIVITY

Reactivity: This material is considered to be non-reactive under normal conditions of use.
Chemical Stability: Stable under normal conditions.
Possibility of Hazardous Reactions: Not expected to occur with normal handling and storage.
Conditions to Avoid: Extremes of temperature and direct sunlight.
Hazardous Decomposition Products: May include carbon monoxide, carbon dioxide (CO2) and other toxic gases or vapors.

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Eyes, Skin, Ingestion, Inhalation.
Symptoms of Exposure:
- Eye Contact: Pain, redness and swelling of the conjunctiva.
- Skin Contact: Pain, redness and cracking of the skin. May cause sensitization by skin contact
- Inhalation: Nasal discomfort and coughing.
- Ingestion: Harmful if swallowed. Potential for aspiration if swallowed. Aspiration may cause pulmonary edema and pneumonitis.

Immediate, Delayed, Chronic Effects
Product Information: Data not available or insufficient for classification.

Numerical Measures of Toxicity
The following acute toxicity estimates (ATE) are calculated based on the GHS document.

\[
\text{ATE}_{\text{mix (oral)}}: 5186 \text{ mg/kg} \\
\text{ATE}_{\text{mix (dermal)}}: 2074 \text{ mg/kg}
\]

Component Acute Toxicity Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>C13-14 Alkane 64742-47-8</td>
<td>&gt; 5000 mg/kg (Rat)</td>
<td>&gt; 2000 mg/kg (Rabbit)</td>
<td>&gt; 5.2 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>Piperonyl Butoxide 51-03-6</td>
<td>= 4570 mg/kg (Rat)</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>Permethrin 52645-53-1</td>
<td>= 220 mg/kg (Rat)</td>
<td>&gt; 5000 mg/kg (Rat)</td>
<td>&gt; 0.69 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>Tetramethrin 7696-12-0</td>
<td>= 4640 mg/kg (Rat)</td>
<td>Not Available</td>
<td>&gt; 2500 mg/m³ (Rat) 3 h</td>
</tr>
<tr>
<td>Chemical Name</td>
<td>Algae/Aquatic Plants</td>
<td>Fish</td>
<td>Toxicity to Microorganisms</td>
</tr>
<tr>
<td>-----------------------</td>
<td>----------------------</td>
<td>----------------------------------------------------------------------</td>
<td>-----------------------------</td>
</tr>
<tr>
<td>Benzaldehyde 100-52-7</td>
<td>Not Available</td>
<td>10.6 - 11.8: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 12.69: 96 h Oncorhynchus mykiss mg/L LC50 static 0.8 - 1.44: 96 h Lepomis macrochirus mg/L LC50 flow-through 6.8 - 8.53: 96 h Pimephales promelas mg/L LC50 flow-through 7.5: 96 h Lepomis macrochirus mg/L LC50 static</td>
<td>EC50 = 4.85 mg/L 30 min EC50 = 5.08 mg/L 15 min EC50 = 6.11 mg/L 5 min</td>
</tr>
<tr>
<td>Limonene 5989-27-5</td>
<td>Not Available</td>
<td>0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50</td>
<td>Not Available</td>
</tr>
<tr>
<td>Ethyl Acetate 141-78-6</td>
<td>Not Available</td>
<td>220 - 250: 96 h Pimephales promelas mg/L LC50 flow-through 484: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 352 - 500: 96 h Oncorhynchus mykiss mg/L LC50 semi-static</td>
<td>EC50 = 1180 mg/L 5 min EC50 = 1500 mg/L 15 min EC50 = 5870 mg/L 15 min EC50 = 7400 mg/L 2 h</td>
</tr>
</tbody>
</table>
Persistence and Degradability: No information available.
Bioaccumulation: No information available.
Other Adverse Effects: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes: Dispose of in accordance with federal, state and local regulations.
Contaminated Packaging: Pressurized container: Do not pierce or burn, even after use. Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT:
UN/ID No: UN1950
Proper Shipping Name: Aerosols
Hazard Class: 2.1
Special Provisions: This product meets the exception requirements of section 49 CFR 173.306 as a limited quantity and may be shipped as a limited quantity. Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

IMDG:
UN/ID No: UN1950
Proper Shipping Name: Aerosols
Hazard Class: 2.1
Additional information: Limited Quantity

15. REGULATORY INFORMATION

TSCA Status: (Toxic Substance Control Act Section 8(b) Inventory)
All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

SARA 313
This product does not contain listed substances above the "de minimus" level

SARA 311/312 Hazard Categories
Acute Health Hazard: Yes
Chronic Health Hazard: No
Fire Hazard: Yes
Sudden release of pressure hazard: No
Reactive Hazard: No

California Proposition 65
This product is not subject to warning requirements under California Proposition 65.

EPA Pesticide Registration Number: 10088-92-5741
EPA Statement:
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:
EPA Pesticide Label:
Caution. Causes moderate eye irritation. Avoid contact with eyes or clothing. Harmful if swallowed. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

16. OTHER INFORMATION
<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards:</th>
<th>Flammability:</th>
<th>Instability:</th>
<th>Special:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
<td>3</td>
<td>0</td>
<td>N/A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards:</th>
<th>Flammability:</th>
<th>Physical Hazards:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2*</td>
<td>4</td>
<td>2</td>
</tr>
</tbody>
</table>

Revision Date: 19-Dec-2019
Reasons for Revision: Section, 2, 3, 8, 11, and, 12

Disclaimer:
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet