Product Identity: SUMMIT PERMACIDE P CONCENTRATE

Section 1

Manufacturer’s Name: Summit Chemical Company
Address: 7657 Canton Center Drive
        Baltimore, MD 21224
Telephone Number: 410-282-5200
Date Prepared: May 29, 1990

Section 2  Hazardous Ingredients/ Identity Information

Hazardous Components
ACTIVE INGREDIENT:
Permethrin (CAS # 52645-53-1)
(3-Phenoxyphenyl) Methyl (+/-)
cis/trans 3-(2,2-Dichloroethenyl)
2,2-dimethylcyclopropane carboxylate: ..................10.00%

INERT INGREDIENTS:
(CAS # A proprietary mixture of solvent,
anionic and nonionic surfactants; 00800,
02378, 02379 & 02380): ...............................90.00%

Section 3  Physical Characteristics

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>N/E</td>
</tr>
<tr>
<td>Vap. Press</td>
<td>N/E</td>
</tr>
<tr>
<td>Vap. Density</td>
<td>N/E</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>EMULSIFIABLE</td>
</tr>
<tr>
<td>Appearance</td>
<td>Light Brown Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Aromatic</td>
</tr>
<tr>
<td>Sp. Gravity</td>
<td>0.906</td>
</tr>
<tr>
<td>Melt. Point</td>
<td>N/E</td>
</tr>
<tr>
<td>Evap. Rate</td>
<td>N/E</td>
</tr>
</tbody>
</table>

Section 4  Fire and Explosion Hazard Data

Flash Point: 115 degrees F
Method Use: T.O.C.
Flammable Limits: L.E.L. N/E  U.E.L. N/E
Extinguishing Media: Foam, Carbon Dioxide, Dry Chemical and Water Fog
Special Fire Fighting Procedures: Use self-contained breathing apparatus. Cool fire exposed areas and equipment.
Unusual Fire and Explosion Hazards: Do not use direct stream of water. Material may float and reignite.
Section 5  Reactivity Data

**Stability**  Stable  
**Conditions to Avoid**  Avoid exposure to extreme temperatures. Do not use or store near heat or open flames. Do not hold dilutions for more than 24 hours.

**Incompatibility (Materials to Avoid)**  N/E  
**Hazardous Decomposition Products**  N/E  
**Hazardous Polymerization**  Will not occur

Section 6  Health Hazard Data

**Routes of Entry**

<table>
<thead>
<tr>
<th>Route</th>
<th>LC50</th>
<th>LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>N/E</td>
<td></td>
</tr>
<tr>
<td>Skin</td>
<td>Dermal</td>
<td>13,100 mg/kg</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Oral</td>
<td>N/E</td>
</tr>
<tr>
<td>Eyes</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Health Hazards (Acute and Chronic)**  N/E  
**Carcinogenicity**  NO  
**NTP**  NO  
**IARC Monograph**  NO  
**OSHA Regulated**  NO  

**Signs and Symptoms of Exposure**  Eye and Skin irritation  
**Medical Conditions Generally Agravated by Exposure**  N/E

**Emergency and First Aid Procedures**

**IF SWALLOWED:** Contact a physician or poison control center immediately. Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

**IF INHALED:** Remove person to fresh air. Apply artificial respiration if indicated.

**IF ON SKIN:** Remove contaminated clothing and wash affected areas with plenty of soap and water.

**IF IN EYES:** Flush eyes with plenty of water. Call a physician if irritation persists.

Section 7  Precautions For Safe Handling and Use

**Steps to be Taken in Case Material is Released or Spilled**
In case of spill or leakage, soak up with an absorbant material such as sand, sawdust, earth, fuller’s earth, etc. Dispose of with chemical waste.

**Waste Disposal Method**
Do not contaminate water, food or feed by storage or disposal.
PESTICIDE DISPOSAL: Pesticide spray mixture or rinse water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

PLASTIC ONE QUART CONTAINER DISPOSAL: Do not reuse container. Wrap container in several layers of newspaper and discard in trash.

PLASTIC ONE GALLON OR LARGER CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Precautions to be Taken in Handling and Storage
Store upright at room temperature. Avoid exposure to extreme temperatures. Do not use or store near heat or open flame. Do not hold dilutions for more than 24 hours.

Other Precautions
Danger, corrosive, causes eye damage and skin irritation. Do not get in eyes, on skin or on clothing. Harmful if swallowed, inhaled or absorbed through skin. Wash thoroughly after handling. Remove and wash clothing before reuse. Avoid contamination of food and feed. Remove pets, birds and cover fish aquarium before spraying. Do not allow spray treatment to drift on pasture land, cropland, poultry ranges or water supplies. Do not use on crops used for food, forage or pasture.

Do not use in edible product areas of food/feed processing plants, restaurants or other areas where food/feed is commercially prepared or processed. Do not use in serving areas while food is exposed.

Do not treat puppies less than four weeks old. Do not use this or any other pesticide on sick, old or debilitated animals. In zoos, prevent exposure of reptiles to the product.

Environmental Hazards: This product is extremely toxic to fish. Do not apply directly to lakes, streams, ponds, tidal marshes or estuaries. Not to be used within 100 feet (30) meters of lakes and streams. Do not apply where run off is likely to occur. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

Section 8 Control Measures

Respiratory Protection (Specify Type)
Wear full-faced gas mask with canister type recommended for general insecticide protection when applying indoors as a space spray or fog.

Ventilation
Local Exhaust: Use product in well ventilated areas.
Mechanical: Fans as necessary.
Special: No
Other: As a Space Spray, close doors and windows and shut off ventilating systems. Vacate area after treatment. Keep area closed for at least ten minutes and ventilate and sweep up dead insects before reoccupying.

Protective Clothing
Gloves: Wear rubber or impervious gloves when handling or mixing product. Wear gloves when dipping animals.
Eye Protection: Wear safety glasses, goggles or face shield when handling. Wear full-faced gas mask with canister type recommended for general insecticide protection when applying
indoors as a **Space Spray or Fog**.

**Clothes:**
Wear a long sleeve shirt and long leg trousers. Remove and wash clothing before reuse.

**Work/Hygenic Practice**
Wash thoroughly after handling. Avoid contamination of food and feed.

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**Section 9  Comments**

The information contained herein is believed to be accurate whether originated with Summit Chemical Company or not. Summit Chemical Company provides no warranties, either expressed or implied and assumes no responsibility for the accuracy or completeness of the data. Recipients are advised to confirm any data, in advance of need, that it is current, applicable and suitable to their circumstances.

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**Section 10  Appendix**

MATERIAL SAFETY DATA SHEET PREPARED BY: R.I. Rose
CORRECT AS OF FOLLOWING DATE: May 29, 1990

N/E means NOT ESTABLISHED
N/A means NOT APPLICABLE