MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product Name: ULD BP-300 Insecticide  
Product Code: 4931-4937

Date Issued: 7/5/91  
Supercedes: 3/15/90  
Prepared by: Richard Clark

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Weight %</th>
<th>Exposure Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTIVE INGREDIENTS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(MA,NJ,PA) Pyrethrum CAS# 8003-34-7</td>
<td>3.00%</td>
<td>5mg/m3 ACGIH/OSHA TWA</td>
</tr>
<tr>
<td>Piperonyl Butoxide Tech CAS# 51-03-6</td>
<td>6.00%</td>
<td>Not Established</td>
</tr>
<tr>
<td>N-octyl Bicycloheptane Dicarboximide CAS# 113-48-4</td>
<td>10.00%</td>
<td>Not Established</td>
</tr>
</tbody>
</table>

| INERT INGREDIENTS |          |                |
| Petroleum Distillate CAS# 6742-47-8 | 81.00% | 200 ppm TLV Exxon Recommended |

See Regulatory Information (Section IX) for explanation of bracketed information.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>OVER 100°F</td>
</tr>
<tr>
<td>Specific Gravity (H2O=1)</td>
<td>0.83</td>
</tr>
<tr>
<td>Vapor Pressure (mmHg)</td>
<td>10@ 68°F</td>
</tr>
<tr>
<td>Melting Point</td>
<td>ND</td>
</tr>
<tr>
<td>Vapor Density (AIR=1)</td>
<td>6</td>
</tr>
<tr>
<td>Evaporation Rate (Butyl Acetate = 1)</td>
<td>ND</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Negligible</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>Clear Yellow Liquid/Mild Solvent Odor</td>
</tr>
</tbody>
</table>

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point (Method Used)</td>
<td>175°F (TCC)</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>ND</td>
</tr>
<tr>
<td>Extinguishing Media</td>
<td>Foam, Co2, Dry Chemical</td>
</tr>
<tr>
<td>Special Fire Fighting Procedures</td>
<td>Fire fighters should wear self-contained breathing apparatus and protective clothing. Dike fire control water for later disposal (See Section VII).</td>
</tr>
<tr>
<td>Unusual Fire and Explosion Hazards</td>
<td>Liquid run-off to sewers may create fire/explosion hazard</td>
</tr>
</tbody>
</table>
SECTION V - REACTIVITY DATA

STABILITY Unstable ___ Stable X.___ Conditions to Avoid: None known.

Incompatibility (Materials to Avoid): None known.

Hazardous Decomposition or Byproducts: When exposed to fire, produces normal products of combustion.

Hazardous Polymerization - May Occur ___ Will Not Occur X. Conditions to Avoid: None known.

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry: Inhalation X. Skin X. Ingestion ___

Health Hazards (Acute and Chronic):

Carcinogenicity: NO NTP ___ IARC Monographs ___ OSHA ___

Signs and Symptoms of Exposure: Prolonged or repeated contact of product with skin may cause irritation. Product spray mist, fog or vapor may cause irritation to nose, throat and lungs if adequate ventilation is not employed. Direct contact of product with eyes can cause irritation. If taken internally, aspiration of liquid product can cause chemical pneumonitis.

Emergency and First Aid Procedures: If product gets on skin, remove with soap and water. If difficulty or discomfort in breathing is experienced, remove to fresh air and get medical attention. Flush eyes with water for 15 minutes. If irritation persists, seek medical aid. If product is swallowed, seek medical aid at once.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: Eliminate all ignition sources. Do not let spilled or leaking material enter watercourse. May be toxic to aquatic life. Absorb with oil-dri or similar inert material. Sweep or scrape up and containerize. Wear/use appropriate protective equipment.

Waste Disposal Method: Observe all applicable Federal/State regulations and local ordinances regarding disposal of pesticide wastes.

Precautions to be taken in Handling and Storing: Store in a cool dry place with adequate ventilation. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. Do not pressurize, cut, heat, weld or expose container to flame, explosion could occur. Keep out of reach of children. Keep from freezing.

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type): Organic vapors & pesticides. NIOSH/MSHA approval No. TC-25C-585.

Ventilation: Local Exhaust: Ventilate area before re-entering. Do not remain in enclosed areas without appropriate respiratory protection.

Special: Mechanical (General):

Other:


Other Protective Clothing or Equipment: Rubber Boots, full-leg pants and full-sleeved shirts.

Work/Hygienic Practices: Launder contaminated equipment or clothing before reuse.

SECTION IX - REGULATORY INFORMATION

MA - These ingredients are subject to the reporting requirements under the Massachusetts Hazardous Substance List.

NJ - These ingredients are subject to the reporting requirements under the New Jersey Right to Know Hazardous Substance List.

PA - These ingredients are subject to the reporting requirements under the Pennsylvania Hazardous Substance List.

There are no ingredients subject to the reporting requirements under California's Proposition 65.
PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Keep out of reach of children. Harmful if swallowed. Do not apply to food, feed, or living things. Do not apply to food or food-processing equipment. Do not apply while food processing is underway. After spraying in meat packaging plants, bakeries, and other food-processing plants, wash equipment exposed to food will be handled with an effective cleaning compound followed by a suitable water rinse. Remove pets, birds, and cover of aquariums before spraying.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Keep out of reach of lakes, streams, ponds. Do not apply where runoff 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 wastes. Apply this product only as specified on the label.

PHYSICAL & CHEMICAL HAZARDS

Do not use or store near heat or open flame.

STORAGE AND DISPOSAL

1. Prohibited
2. Do not contaminate water, food, or feed by storage or disposal.
3. Pest Pesticide Disposal
   - Wash containers containing the use of this product may be disposed of on site or at an approved waste disposal facility.
4. Container Disposal
   - Triple rinse (or equivalent). Then, offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Space Spray — Use undiluted to kill adult and all stages of insects on vines and other vineyard or farm buildings. Space spray at a dosage rate of one full ounce per 1,000 cubic feet of space. Repeat application as necessary. Do not allow spray to contact stored food. Use at a dosage rate of approximately one-half fluid ounce per 1,000 cubic feet of space. Repeat application as necessary for control. Leave the room closed for one hour. Do not remain in treated areas and ventilate area before re-entry.

Space Spray for Use in Structures - Use undiluted to kill adult and all stages of insects on vines and other vineyard or farm buildings. Space spray at a dosage rate of one full ounce per 1,000 cubic feet of space. Repeat application as necessary. Do not allow spray to contact stored food. Use at a dosage rate of approximately one-half fluid ounce per 1,000 cubic feet of space. Repeat application as necessary for control. Leave the room closed for one hour. Do not remain in treated areas and ventilate area before re-entry.

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SPACE SPRAY FOR USE IN STRUCTURES - Use undiluted to kill adult and all stages of insects on vines and other vineyard or farm buildings. Space spray at a dosage rate of one full ounce per 1,000 cubic feet of space. Repeat application as necessary. Do not allow spray to contact stored food. Use at a dosage rate of approximately one-half fluid ounce per 1,000 cubic feet of space. Repeat application as necessary for control. Leave the room closed for one hour. Do not remain in treated areas and ventilate area before re-entry.

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ACTIVE INGREDIENTS:

Pyrethrins .......................... 3.00%
Piperonyl butoxide, technical ............. 6.00%
N-octyl bicyclohexene dicarboximide 10.00%

CONSISTS OF: 4.50% (butylcarbophth) (6-propylyperoxypropionyl) ether and 1.50% related compounds. **MICRGEN 350 INSECTICIDE SYNTHETIC.

INSETICIDE INGREDIENTS: 81.00%
Contains Petroleum distillate.

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND STATEMENT OF PRACTICAL TREATMENT

MICRO-GEN® EQUIPMENT CORP.

EPA REG. NO. 11540-1
EPA EST. NO. 1-540-TX-1

Ultra Low Doseage Through Micron Generation

Net Contents Gallons BATCH NO.
Mr. R. L. Brett  
Micro-Gen Equipment Corporation  
8127 Vidor Drive  
San Antonio, TX 78216  

Dear Mr. Brett:

This is in reply to your request for compound authorization received on March 12, 1975.

Your product ULD BP-300 INSECTICIDE is acceptable as a pesticide for use in all departments of official establishments operating under the Federal meat, poultry, shell egg grading, and egg products inspection programs.

This compound must be dispensed as an aerosol spray from an adequate fogging device when used without dilutions.

Before using this pesticide compound, exposed food products and packaging materials must be removed from the room or protected. After using this compound, equipment and utensils must be thoroughly rinsed with potable water before operations are resumed.

Acceptance of this compound by this Department is in no way to be construed as an endorsement of the compound or of any claims made for it.

If any change is made in the labeling information or formulation, the authorization for use in official plants becomes void immediately.

Sincerely yours,

[Signature]

Donald D. Derr, Chemist  
Compound Evaluation Laboratory  
Chemistry Staff  
Scientific Services