

OCT 21 1991

Micro-Gen Equipment Corp.  
10700 Sentinel Drive  
San Antonio, Texas 78217  
Tel: (512) 654-8570

**HMIS RATING**  
Health.....2  
Flammability...2  
Reactivity.....0

**MATERIAL SAFETY DATA SHEET**

**SECTION I - PRODUCT IDENTIFICATION**

Product Name: ULD BP-300 Insecticide      Product Code: 4931-4937  
Date Issued:                      Supercedes:                      Prepared by:  
7/7/91                                      3/15/90                                      Richard Clark

**SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

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

**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**

Boiling Point: OVER 100°F      Specific Gravity (H<sub>2</sub>O=1): 0.83  
Vapor Pressure (mmHg): 10@ 68°F      Melting Point: ND  
Vapor Density (AIR=1): 6      Evaporation Rate (Butyl Acetate = 1): ND  
Solubility in Water: Negligible  
Appearance and Odor: Clear Yellow Liquid/Mild Solvent Odor.

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

Flash Point (Method Used) 175° (TCC) Flammable Limits: ND  
Extinguishing Media: Foam, CO<sub>2</sub>, Dry Chemical  
Special Fire Fighting Procedures: Fire fighters should wear self-contained breathing apparatus and protective clothing. Dike fire control water for later disposal (See Section VII).  
Unusual Fire and Explosion Hazards: Liquid run-off to sewers may create fire/explosion hazard.

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**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.

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**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.

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**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 leading 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.

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**SECTION VII (continued)**

Other Precautions: CAUTION: Keep out of reach of children. Harmful  
is swallowed. Do not apply directly to food. Cover or remove any  
food and food processing equipment during application. After  
application in food processing plants, wash all equipment where  
exposed food will be handled. Remove pets, birds, and cover fish  
aquariums before spraying.

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**SECTION VIII - CONTROL MEASURES**

Respiratory Protection (Specify Type): Organic vapors & pesticides.  
NIOSH/MSHA approval No. TC-23C-585.

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

Special:  
Mechanical (General):  
Other:

Protective Gloves: Rubber Gloves. Eye Protection: Chemical workers  
splash proof goggles.

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

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

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**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.

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## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

## CAUTION

Keep out of reach of children. Harmful if swallowed. Do not apply directly to food. Cover or remove any food and food processing equipment during application. Do not apply while food processing is underway. After spraying in meat packaging plants, bakeries and other food processing plants, wash all equipment where exposed food will be handled with an effective cleaning compound followed by a potable water rinse. Remove pets, birds, and cover fish aquariums before spraying.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish. Keep out of lakes, streams, or ponds. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

### PHYSICAL & CHEMICAL HAZARDS

Do not use or store near heat or open flame.

### STORAGE AND DISPOSAL

1. Prohibitions  
Do not contaminate water, food, or feed by storage or disposal.
2. Pesticide Disposal  
Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
3. 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 accessible stages of insects\* infesting dried fruit products in storage or being processed.

Close room or warehouse and shut off all ventilating systems. Use a spraying device such as the Micro-Gen equipment to dispense this product as a fine mist in the air above the trays and shelves. Do not apply to fruit directly. Use a dosage not to exceed ½ gallon of this spray per 50,000 cubic feet of room space. Repeat application at this dosage in any given month. Leave the room closed for one hour. Do not remain in treated areas and ventilate area before re-entry.

\*Indian Meal Moth, Dried Fruit Beetle, Confused Flour Beetle, Saw-Toothed Grain Beetle and Roaches.

# ULD<sup>®</sup> BP-300 INSECTICIDE

#### ACTIVE INGREDIENTS:

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

\* Consists of 4.80% (butylcarbityl) (6-propylpiperonyl) ether and 1.20% related compounds. \*\*MGK 264 insecticide Synergist.

**INERT 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<sup>®</sup>  
EQUIPMENT CORP.**

10700 Sentinel Drive  
San Antonio, Texas 78217 USA  
Tel. No. 512/654-8570  
Cable: MICROGEN TWX: 9108711000

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

*Ultra Low Dosage Through Micron Generation*

### DIRECTIONS, continued

**Space Spray** — Use undiluted to kill the adult and accessible forms of insect pests\* of (stored in multiwall paper bags or in cloth bags) in warehouses, storage rooms and similar locations: Close room or warehouse and shut off all ventilating systems. Use a spraying device such as the Micro-Gen equipment to dispense this product. Use a dosage of one fluid ounce of this spray per 1,000 cubic feet of room space. Repeat application as necessary for insect control. Leave the room closed for one hour. Do not remain in treated areas and ventilate area before re-entry.

\*Among these are the Rice Weevil, Yellow Meal Worm, Cadelle, Confused Flour Beetle, Saw-Toothed Grain Beetle, Angoumois Grain Moth, Mediterranean Flour Moth and Indian Meal Moth.

**Space Spray** — Use diluted to kill flies, mosquitoes and gnats in open areas:

Dilute concentrate with petroleum distillate at the rate of one part concentrate to two parts oil and mix well. Use at a time when the temperature is cool (75°F or less) and the wind velocity is approximately five MPH. With equipment such as the Micro-Gen equipment, spray at a dosage rate of fifteen ounces per minute upwind of the area to be controlled. If the equipment is truck mounted, keep the speed to approximately five MPH. Repeat application as required.

**Space Spray** — For control of flying and crawling insects in establishments operating under the Federal meat, poultry, shell egg grading and egg products inspection programs:

Dilute concentrate with a white mineral oil conforming to regulation 21 CFR 121.2589(b) or an odorless light petroleum hydrocarbon conforming to 121.1182, at the rate of one part concentrate to two parts oil, and mix well. Do not apply while food processing is underway. Cover or remove any food. Cover equipment that will be in direct contact with food. Using Micro-Gen equipment adjusted to deliver aerosol droplets (30 microns or less), apply one ounce per 1,000 cubic feet of space. Leave room closed for one hour and ventilate before re-entry. Before processing begins, wash down all equipment, benches, shelving etc., where exposed food will be handled, with an effective cleaning compound followed by a potable water rinse.

**Space and Contact Spray** — Use undiluted to kill roaches, silverfish, waterbugs, earwigs, ants, spiders, and beetles in sheltered situations:

With equipment described above, apply the spray into all cracks and crevices in woodwork, walls, floors, underneath sinks, behind pipes and in all places where these insects shelter. Contact as many insects as possible. 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 room space. Repeat dosage as necessary for control. Leave the room closed for one hour. Do not remain in treated areas and ventilate area before re-entry.

CODE 17890

1M29590 VEN MC

GCN 100202

Net Contents

Gallons

BATCH NO.

UNITED STATES DEPARTMENT OF AGRICULTURE  
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

MEAT AND POULTRY INSPECTION PROGRAM  
BUILDING 306, AGRICULTURAL RESEARCH CENTER  
BELTSVILLE, MD. 20705

March 31, 1975

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,



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