1. CHEMICAL IDENTIFICATION

Product Name: PRECISION
EPA Signal Word: Caution
Active Ingredient(%): Fenoxycarb (25%)
Chemical Name: Ethyl(2-[4-phenoxyphenoxy]ethyl)carbamate
Chemical Class: Carbamate (non-cholinesterase inhibiting) Insecticide

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Material</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other</th>
<th>NTP/IARC/OSHA Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kaolin Clay</td>
<td>15 mg/m3 (Total Dust); 5 mg/m3 (Respirable)</td>
<td>2 mg/m3 (Respirable)</td>
<td>Not Established</td>
<td>No</td>
</tr>
<tr>
<td>Surfactant</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
<td>No</td>
</tr>
<tr>
<td>Dispersing Agent</td>
<td>Not Established</td>
<td>Not Established</td>
<td>15 mg/m3 (Total Dust)*</td>
<td>No</td>
</tr>
<tr>
<td>Sodium Sulfite</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
<td>IARC, 3</td>
</tr>
<tr>
<td>Fenoxycarb (25%)</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
<td>No</td>
</tr>
</tbody>
</table>

* recommended by manufacturer

3. HAZARDS IDENTIFICATION

Symptoms of Acute Exposure
Exposure may cause slight irritation to eyes.

Hazardous Decomposition Products
None Known

Physical Properties
Appearance: Beige Powder
Odor: Clay-Like

Unusual Fire, Explosion and Reactivity Hazards
None Known

4. FIRST AID MEASURES

If poisoning is suspected, immediately contact a physician, the nearest hospital, or the nearest Poison Control Center. Tell the person contacted the complete product name, and the type and amount of exposure. Describe any symptoms and follow the advice given.

Ingestion: If victim is fully conscious, give a large quantity of water to drink and induce vomiting. Never give anything by mouth to an unconscious person.
Eye Contact: Immediately rinse eyes with a large amount of running water. Hold eye lids apart to rinse the entire surface of the eyes and lids. Do not apply any medicating agents except on the advice of a physician.

Skin Contact: Wash with plenty of soap and water, including hair and under fingernails. Do not apply any medicating agents except on the advice of a physician. Remove contaminated clothing and decontaminate prior to use.

Inhalation: Move victim from contaminated area to fresh air. Apply artificial respiration if necessary.

Notes to Physician

Medical Condition Likely to be Aggravated by Exposure

None Known

5. FIRE FIGHTING MEASURES

Fire and Explosion

Flash Point (Test Method): Not Applicable
Flammable Limits (% in Air): Lower: %; Upper: % Not Applicable
Autoignition Temperature: Not Available
Flammability: Not Flammable (DOT 49CFR 173.124)

Unusual Fire, Explosion and Reactivity Hazards

None Known

In Case of Fire

Use dry chemical, foam, or CO2 extinguishing media. Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area, and equipment until decontaminated.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak

Wear chemical safety glasses with side shields or chemical goggles, rubber gloves, rubber boots, long-sleeved shirt, long pants, head covering, and use a particulate filter, NIOSH approved per 42 CFR Part 84. Select N or R or P type as appropriate for the oil characteristics of any other air contaminants present. Filter efficiency may range from 95 - 99.97% as appropriate for the size distribution of dusts present. For small spills, sweep up, keeping dust to a minimum, and place in an approved chemical container. Wash the spill area with water containing a strong detergent, absorb with pet litter or other absorbent material, sweep up and place in a chemical container. Seal the container and handle in an approved manner. Flush the area with water to remove any residue. Do not allow wash water to contaminate water supplies.

7. HANDLING AND STORAGE

Store the material in a well-ventilated, secure area out of the reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco usage, and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION AND PACKAGING OF THE PRODUCT.

FOR COMMERCIAL APPLICATIONS AND ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

Ingestion: Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling.

Eye Contact: To avoid eye contact, wear safety glasses with side shields or chemical goggles.
Skin Contact: To avoid skin contact, wear rubber gloves, rubber boots, long-sleeved shirt, long pants and a head covering.

Inhalation: To avoid breathing dust, use a particulate filter, NIOSH approved per 42 CFR Part 84. Select N or R or P type as appropriate for the oil characteristics of any other air contaminants present. Filter efficiency may range from 95 - 99.97% as appropriate for the size distribution of dusts present.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Beige Powder
Odor: Clay-Like
Melting Point: 128-129°F
Boiling Point: Not Applicable
Specific Gravity/Density: 0.25 g/cc
pH: 6-9 (1% solution in H2O @ 25°C)

Solubility in H2O
Fenoxycarb: > 5,660 mg/L @ 25°C

Vapor Pressure
Fenoxycarb: > 7.80E-03 mPa @ 20°C

10. STABILITY AND REACTIVITY

Reactivity
Stability: Stable
Hazardous Polymerization: Will Not Occur
Conditions to Avoid: None Known

Hazardous Decomposition Products
None Known

11. TOXICOLOGICAL INFORMATION

Acute Toxicity/Irritation Studies
Ingestion: Practically Non-Toxic
- Oral LD50 (Rat) : > 5,000 mg/kg body weight
Dermal: Slightly Toxic
- Dermal LD50 (Rabbit) : > 2,000 mg/kg body weight
Inhalation: Slightly Toxic
- Inhalation LC50 (Rat) : > 3.48 mg/l air - 4 hours
Eye Contact: Slightly Irritating (Rabbit)
Skin Contact: Non-Irritating (Rabbit)
Skin Sensitization: Not a Sensitizer (Guinea Pig)

Mutagenic Potential
Fenoxycarb: None observed

Reproductive Hazard Potential
Fenoxycarb: None observed

Chronic/Subchronic Toxicity Studies
Fenoxycarb: Liver effects at high doses (rats, mice and dogs)

Carcinogenic Potential
Fenoxycarb: None observed (rats); liver and lung tumors at high doses (mice)

Other Toxicity Information
Not Available

Toxicity of Other Components
Dispersing Agent
Exposure can result in eye, skin and respiratory tract irritation.

Kaolin Clay
Long term overexposure to high concentrations of this dust without the use of a respirator may produce x-ray evidence of dust in the lungs and may affect respiratory function.

Surfactant
Can be moderately irritating to eyes and skin.

**Target Organs**

**Active Ingredients**
- Fenoxycarb : Lung and Liver

**Inert Ingredients**
- Dispersing Agent : Eyes, Skin and Respiratory Tract
- Kaolin Clay : Respiratory Tract
- Surfactant : Skin and Eyes

12. **ECOLOGICAL INFORMATION**

**Summary of Effects**

**Fenoxycarb:**
Toxic to fish and invertebrates; however, rapid degradation mitigates effects.

**Eco-Acute Toxicity**
- Fenoxycarb: Rainbow Trout 96-hour LC50 0.66 ppm
- Bluegill Sunfish 96-hour LC50 0.74 ppm
- Daphnia magna 48-hour LC50 0.6 ppm
- Bobwhite Oral LD50 >7,000 mg/kg
- Mallard Oral LD50 >3,000 mg/kg
- Bobwhite 8-day Dietary LC50 >5,620 ppm
- Mallard 8-day Dietary LC50 >20,000 ppm

**Eco-Chronic Toxicity**
- Fenoxycarb: Invertebrate (Daphnia Magna) Life Cycle MATC 1.6 ppt (trillion)
- Mallard Reproduction NOEC 48.0 ppb
- Bobwhite Reproduction NOEC 160 ppm
- Fish (Fathead minnow) Early Life Stage NOEL 400 ppm

**Environmental Fate**

**Fenoxycarb:**
No data available for the formulation. The information presented here is for the active ingredient, fenoxycarb. A thorough review of environmental information is not possible in this document. For additional information call the toll free number listed in Section 16.

**ENVIRONMENTAL PERSISTANCE/MOBILITY:**
Stable in sterile water, in the dark at pH 5, 7 and 9, but degrades rapidly in the light at pH 7 (t1/2 ~ 18-23 d). Stable in laboratory soil, in the light, but degradation in the dark under aerobic and anaerobic conditions varies with soil texture, application methodology and whether soil is US or foreign (t1/2 ~ 0.28 d to 3.5 mo). Low to slight mobility with five soil textures (Koc = 1251 to 2599).

13. **DISPOSAL CONSIDERATION**

**Disposal**
Do not reuse product containers. Dispose of product containers, waste containers, and residues according to local, state, and federal health and environmental regulations.

**Characteristic Waste:** Not Applicable

**Listed Waste:** Not Applicable
14. TRANSPORT INFORMATION

DOT Classification:
   Not Applicable; No Label or Placard Required

B/L Freight Classification
   Insecticides or Fungicides; Agricultural, N.O.S.

International Transportation
   Not Applicable

15. REGULATORY INFORMATION

SARA Title III Classification
   Section 311/312: Acute Health Hazard
   Chronic Health Hazard

   Section 313 chemical(s): Fenoxycarb (25%) (CAS No. 72490-01-8)

Proposition 65
   Not Applicable

CERCLA Reportable Quantity (RQ)
   None

RCRA Classification
   Not Applicable

TSCA Status
   Exempt from TSCA

16. OTHER INFORMATION

NFPA Hazard Ratings
   Health: 1
   Flammability: 0
   Reactivity: 0

   0 Least
   1 Slight
   2 Moderate
   3 High
   4 Severe

Questions concerning the safe handling of the product should be referred to:

1-800-334-9481

Issued Date: 3/5/1993
Revised Date: 11/4/1998
Supersedes: 8/5/1998

The information and recommendations contained herein are based upon data believed to be correct.
However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the
information contained herein.

RSVP# : SCP-955-750A-00097G