1. CHEMICAL IDENTIFICATION

Product Name: **SUBDUE MAXX**

EPA Signal Word: Caution

Active Ingredient(%): Mefenoxam (22%)

Chemical Name: (R)-[(2,6-dimethylphenyl)-methoxyacetlamino]-propionic acid methyl ester

Chemical Class: Phenylamide Fungicide

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>Surfactant</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
<td>No</td>
</tr>
<tr>
<td>Mefenoxam (22%)</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
<td>No</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

**Symptoms of Acute Exposure**

Exposure may cause irritation to eyes.

**Hazardous Decomposition Products**

None Known

**Physical Properties**

Appearance: Yellow Honey Liquid

Odor: Sweet and Waxy

**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, immediately 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.
5. FIRE FIGHTING MEASURES

Fire and Explosion

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point (Test Method):</td>
<td>&gt;200 °F</td>
</tr>
<tr>
<td>Flammable Limits (% in Air):</td>
<td>Lower: %; Upper: % Not Available</td>
</tr>
<tr>
<td>Autoignition Temperature:</td>
<td>Not Available</td>
</tr>
<tr>
<td>Flammability:</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

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 a NIOSH-approved chemical cartridge respirator with organic vapor cartridges and a P-100 or P-95 pre-filter or use a self-contained breathing apparatus (SCBA). For small spills, cover with an absorbent material such as pet litter. Sweep up 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 vapors or mist, wear a NIOSH-approved chemical cartridge respirator with organic vapor cartridges and a P-100 or P-95 pre-filter or use a supplied-air respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES
### 10. STABILITY AND REACTIVITY

**Reactivity**
- **Stability:** Stable Under Standard Conditions
- **Hazardous Polymerization:** Will Not Occur
- **Conditions to Avoid:** None Known

**Hazardous Decomposition Products**
- None Known

### 11. TOXICOLOGICAL INFORMATION

#### Acute Toxicity/Irritation Studies

**Ingestion:**
- **Oral LD50 (Rat):** 2,084 mg/kg body weight

**Dermal:**
- **Dermal LD50 (Rabbit):** > 2,020 mg/kg body weight

**Inhalation:**
- **Inhalation LC50 (Rat):** > 2.8 mg/l air - 4 hours

**Eye Contact:**
- Mildly Irritating (Rabbit)

**Skin Contact:**
- Non-Irritating (Rabbit)

**Skin Sensitization:**
- Not a Sensitizer (Guinea Pig)

**Mutagenic Potential**
- None Observed

**Reproductive Hazard Potential**
- None Observed

**Chronic/Subchronic Toxicity Studies**
- Mefenoxam: Liver effects at high dose levels

**Carcinogenic Potential**
- None Observed

**Other Toxicity Information**
- Not Available

**Toxicity of Other Components**
- **Surfactant**
  - Exposure can result in eye and skin irritation.

- **Surfactant**
  - Causes severe eye irritation, which could lead to permanent eye damage. Prolonged or repeated skin contact may cause discomfort and local redness. Mist can irritate the respiratory tract, experienced as nasal discomfort and discharge with chest pain and coughing.

**Target Organs**
12. ECOLOGICAL INFORMATION

Summary of Effects
Mefenoxam: Not Available

Eco-Acute Toxicity
Mefenoxam: Not Available

Eco-Chronic Toxicity
Mefenoxam: Not Available

Environmental Fate
Mefenoxam:
No data available for the formulation. The information presented here is for the active ingredient, mefenoxam. 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:
Based on the metalaxyl database, mefenoxam would not be expected to degrade in water. Degrades moderately in soil under aerobic conditions (t1/2 ~ 70 d). Mobility classified as very high to low in various soils (Koc 20 to 1299).

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 regulated by DOT.

B/L Freight Classification
Fungicides, NOIBN, o/t poison

International Transportation
Not Applicable

15. REGULATORY INFORMATION

SARA Title III Classification
Section 311/312: Acute Health Hazard
Chronic Health Hazard
Section 313 chemical(s): Not Applicable

Proposition 65
Not Applicable

CERCLA Reportable Quantity (RQ)
None

RCRA Classification

Active Ingredients
Mefenoxam: Liver

Inert Ingredients
Surfactant: Eyes and Skin
Surfactant: Eyes, Skin and Respiratory Tract

Product Name: SUBDUE MAXX
Not Applicable

**TSCA Status**
Exempt from TSCA, subject to FIFRA

## 16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA Hazard Ratings</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Health:</td>
<td>1</td>
</tr>
<tr>
<td>Flammability:</td>
<td>1</td>
</tr>
<tr>
<td>Reactivity:</td>
<td>0</td>
</tr>
</tbody>
</table>

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.

**Issues Date:** 04/09/1996
**Revised Date:** 03/13/2001  
**Supersedes:** 02/09/2000

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

1-800-334-9481

RSVP# : SCP-955-796B-00109I

*Product Name: SUBDUE MAXX*