



Syngenta Crop Protection, Inc
Post Office Box 18300
Greensboro, NC 27419

In Case of Emergency, Call

1-800-888-8372

1. CHEMICAL IDENTIFICATION

Product Name: **SUBDUE MAXX** Product No.: A9619C
EPA Signal Word: Caution
Active Ingredient(%): Mefenoxam (22%) CAS No.: 70630-17-0
Chemical Name: (R)-[(2,6-dimethylphenyl)-methoxyacetyl-amino]-propionic acid methyl ester
Chemical Class: Phenylamide Fungicide

2. COMPOSITION/INFORMATION ON INGREDIENTS

Material	OSHA PEL	ACGIH TLV	Other	NTP/IARC/OSHA Carcinogen
Surfactant	Not Established	Not Established	Not Established	No
	Not Established	Not Established	Not Established	No
Mefenoxam (22%)	Not Established	Not Established	Not Established	No

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.

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

Notes to Physician

There is no specific antidote if this product is ingested.

If a large amount has been ingested and emesis is inadequate, lavage stomach.

Treat symptomatically.

Medical Condition Likely to be Aggravated by Exposure

None Known

5. FIRE FIGHTING MEASURES

Fire and Explosion

Flash Point (Test Method): >200 °F
Flammable Limits (% in Air): Lower: %; Upper: % Not Available
Autoignition Temperature: Not Available
Flammability: Not Applicable

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

Appearance: Yellow Honey Liquid
Odor: Sweet and Waxy
Melting Point: Not Applicable
Boiling Point: Not Available
Specific Gravity/Density: 1.10 g/cm³
pH: 7-9(1% solution in H₂O @ 25°C)

Solubility in H₂O

Mefenoxam : 26.000 g/L @ 25°C

Vapor Pressure

Mefenoxam : 3.30E-03 Pa @ 25°C

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: Slightly Toxic
Oral LD50 (Rat) : 2,084 mg/kg body weight
Dermal: Slightly Toxic
Dermal LD50 (Rabbit) : > 2,020 mg/kg body weight
Inhalation: Slightly Toxic
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

Mefenoxam: None Observed

Reproductive Hazard Potential

Mefenoxam: None Observed

Chronic/Subchronic Toxicity Studies

Mefenoxam: Liver effects at high dose levels

Carcinogenic Potential

Mefenoxam: 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

Active Ingredients

Mefenoxam : Liver

Inert Ingredients

Surfactant : Eyes and Skin

Surfactant : Eyes, Skin and Respiratory Tract

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

Not Applicable

TSCA Status

Exempt from TSCA, subject to FIFRA

16. OTHER INFORMATION

NFPA Hazard Ratings

Health: 1
Flammability: 1
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: 04/09/1996

Revised Date: 03/13/2001

Supersedes: 02/09/2000

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.

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