

MATERIAL SAFETY DATA SHEET

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In Case of Emergency, Call
Sipcam Agro USA, Inc.: 770-587-1032
CHEMTREC: 800-424-9300

CHEMICAL IDENTIFICATION

Product Name: **Mefenoxam 2**
EPA Signal Word: Warning CAS No.: Mixture
Active Ingredient (%): Mefenoxam (25.1%)
Chemical Name: (R)-2- [(2,6-dimethylphenyl)-methoxyacetyl amino] -propionic acid methyl ester
Chemical Class: Fungicide

COMPOSITION/INFORMATION ON INGREDIENTS

Material	PEL	% by weight	ACGIH Other	OSHA TLV	NTP/IARC/OSHA Carcinogen
Surfactant	Not Established	Not Established	Not Established	Not Established	No
Naphthalene (91-20-30)		8.9%	10 ppm, TWA	15 ppm, STEL	No
1,2-4 Trimethylbenzene (95-63-6)		1.7%			
Mefenoxam		(25.1% w/w)	Not Established	Not Established	No

HAZARDS IDENTIFICATION

Notes to Physician

If ingested, lavage stomach. A slurry of activated charcoal in water can be left in the stomach. Treat symptomatically. Contact with eyes may require specialized ophthalmologic attention.

Symptoms of Acute Exposure

Causes substantial, but temporary eye injury.

Hazardous Decomposition Products

None Known

Physical Properties

Appearance: Light Yellow Liquid Odor: Sweet Wax

Unusual Fire, Explosion and Reactivity Hazards

None Known

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.

If In Eyes: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

If On Skin: Wash thoroughly with soap and water. Get medical attention if irritation persists.

If Swallowed: Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water, avoid alcohol. Immediately contact a physician, hospital or local Poison Control Center. Do not induce vomiting.

Notes to Physician

Contact with eyes may require specialized ophthalmologic attention.

Medical Condition Likely to be Aggravated by Exposure

None Known

FIRE FIGHTING MEASURES**Fire and Explosion**

Flash Point (Test Method): Not Determined

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.

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 an NIOSH-approved pesticide respirator. 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.

HANDLING AND STORAGE

General Information: 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.

EXPOSURE CONTROLS/PERSONAL PROTECTION

RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS.

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 with socks, long-sleeved shirt, long pants and a head covering.

Inhalation: To avoid breathing vapors or mist, wear an NIOSH-approved pesticide respirator.

Applicators/Handlers: Please refer to the product label for personal protective clothing/equipment.

PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure: Not Determined

Density: 0.95 g/cc

pH: 4-6(1 % solution in H₂O C@ 25°C)

Melting Point: Not Applicable

Viscosity:

Odor: Sweet Wax

Color: Light Yellow

Physical State: Liquid

STABILITY AND REACTIVITY

General: Stable

Incompatible Materials:

Conditions to Avoid:

Hazardous Decomposition: None known

Hazardous Polymerization: Will not occur.

TOXICOLOGICAL INFORMATION

ACUTE

Inhalation: Slightly toxic, Inhalation LC₅₀ (Rat) > 3.6 mg/1 air - 4 hours

Eye Irritation: moderately irritating (Rabbit)

Skin Irritation: Slightly toxic, Dermal LD₅₀ (Rabbit) > 2,020 mg/kg body weight

Skin Absorption: Slightly irritating (Rabbit)

Skin Sensitization: Not a sensitizer (Guinea Pig), Mutagenic Potential

Mefenoxam: None Observed

Ingestion: Slightly toxic, Oral LD₅₀ (Rat) 1,172 mg/kg body weight

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: None

Solvent: Exposure may result in moderate irritation to eyes or skin.

Surfactant: Corrosive to skin or eyes. Inhalation causes eye, nose and throat irritation, pulmonary edema and bronchial emphysema. Prolonged exposure can result in dental erosion.

Target Organs: Active Ingredients: Mefenoxam: Liver

Inert Ingredients: Solvent: Eyes and Skin; Surfactant: Eyes and Skin

ECOLOGICAL INFORMATION

Summary of Effects: Mefenoxam: Not Available

Eco-Acute Toxic: Mefenoxam: Not Available

Eco-Chronic Toxic: Mefenoxam: Not Available

Environmental Fate: Mefenoxam: Not Available

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

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

REGULATORY INFORMATION

SARA Title III Classification

Section 311/312: Acute Health Hazard

Section 313 chemical(s): Not Applicable

Chronic Health Hazard

Fire Hazard

Proposition 65: Not Applicable

CERCLA Reportable Quantity (RQ): None

RCRA Classification: Not Applicable

TSCA Status: Exempt from TSCA

HAZARD CLASSIFICATION (0-minimal, I -slight, 2-moderate, 3-serious, 4-severe)

NFPA: HEALTH- 2 FIRE- 2 REACTIVITY- 0

HMIS: HEALTH- 2 FIRE- 2 REACTIVITY- 0

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.