



Safety Data Sheet

Issue Date: 11/25/2015

Revision Date: N/a

Version: 1

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier

Product Name: Fenox ME

Other means of identification

EPA Pesticide Registration Number: 70252-11-48234

Recommended use of the chemical and restrictions on use

Recommended use: Fungicide

Details of the supplier of the safety data sheet

Company

Regal Chemical Company

600 Branch Dr.,

Alpharetta, GA 30004

Emergency telephone number

Company Telephone: (770) 475-4837

Emergency Telephone: Chemtrec 1-800-262-8200

2. Hazardous Identification

Classification:

Oral – Category 4

Specific Target Organ Toxicity: Drowsiness – Category 3

Eye Damage/Irritation – Category 2B

Signal Word (OSHA): Warning

Hazard Statements:

Harmful if swallowed

Causes eye irritation

May cause drowsiness or dizziness

Hazard Symbols:





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Precautionary Statements:

Avoid breathing mist, vapors, spray.

Wash hands and face thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

If swallowed: Call a poison center, doctor or Syngenta if you feel unwell. Rinse mouth.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Call a poison center, doctor or Syngenta if you feel unwell.

If eye irritation persists: Get medical advice.

Store locked up.

Dispose of contents and container in accordance with local regulations.

Other Hazard Statements: None

3. Composition/Information on Ingredients

Chemical Name	Common Name	CAS Number	Concentration
(R,S)-2-[(2,6-dimethylphenyl)-methoxyacetyl-amino]-propionic acid methyl ester	Mefenoxam	70630-17-0	22.50%

*Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

4. First Aid Measures

First aid measures:

Ingestion: If swallowed: call a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Eye Contact: If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin Contact: If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation: If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Most Important systems and effects, both acute and delayed:

Eye Irritation

Drowsiness or dizziness



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Indication of any immediate medical attention and special treatment needed:

There is no specific antidote if this product is ingested.

Treat symptomatically.

5. Fire-Fighting Measures

Suitable extinguishing media:

Use dry chemical, foam or CO2 extinguishing media. If water is used to fight fire, dike and collect runoff.

Specific Hazards:

Combustible liquid. Can release vapors that form explosive mixtures at temperatures at or above the flash point. Heavy vapors can flow along surfaces to distant ignition sources and flash back.

During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

Special protective equipment and precautions for firefighters:

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.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Follow exposure controls/personal protection outlined in Section 8.

Methods and material for containment and cleaning up:

Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Clean up spills immediately, observing precautions outlined in Section 8. Cover entire spill with absorbing material and place into compatible disposal container. Scrub area with hard water detergent (e.g. commercial products such as Tide, Joy, Spic and Span). Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

7. Handling and Storage

Precautions for safe handling:

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

Conditions for safe storage, including any incompatibilities:

Store locked up.



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8. Exposure Controls/Personal Protection

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

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

Occupational Exposure Limits:

Chemical Name	OSHA PEL	ACGIH TLV	OTHER	Source
Mefenoxam	Not Established	Not Established	5 mg/m ³ TWA	Regal Chemical Co.

Appropriate engineering controls:

Use effective engineering controls to comply with occupational exposure limits (if applicable).

Individual protection measures:

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

Eye contact: Where eye contact is likely, use chemical splash goggles.

Skin contact: Where contact is likely, wear chemical-resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride [PVC] or Viton), coveralls, socks and chemical-resistant footwear.

Inhalation: A respirator is not normally required when handling this substance. Use effective engineering controls to comply with occupational exposure limits.

In case of emergency spills, use a NIOSH approved respirator with any N, R, P or HE filter.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance: Amber clear liquid

Odor: Sweet odor

Odor Threshold: Not available

Property

Values

pH:

6.5 – 9.5 (1% in deionized water)

Melting point / Freezing Point

Not available

Boiling Point / Boiling Range

Not available

Flash Point (Test Method)

> 200° F (TCC)

Flammability (solid, gas)

Combustible liquid

Flammability Limits (% in air)

Not available

Vapor Pressure

2.5 X 10⁻⁵ @ 25C

Vapor Density

Not available

Relative Density

Not available



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Solubility(ies) Not available

Not available

Partition Coefficient: n-octanol/water Not available

Not available

Autoignition Temperature Not available

Not available

Decomposition Temperature Not available

Not available

Viscosity Not available

Not available

Other Not available

Not available

10. Stability and Reactivity

Reactivity: Not reactive

Chemical Stability: Stable under normal use and storage conditions.

Hazardous Polymerization: Will not occur

Conditions to Avoid: None known

Incompatible Materials: None known

Hazardous Decomposition Products: During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

11. Toxicological Information

Health effects information

Likely routes of exposure: Dermal, inhalation

Symptoms of exposure: Eye irritation, drowsiness, or dizziness.

Delayed, immediate and chronic effects of exposure: Eye irritation, drowsiness or dizziness.

Numerical measures of toxicity (Acute toxicity/irritation studies (finished product))

Ingestion: Oral (LD50 Female Rat): 550 mg/kg body weight

Dermal: Dermal (LD50 Rat): > 2000 mg/kg body weight

Inhalation: Inhalation (LC50 Rat): >5.58 mg/l air – 4 hours

Eye contact: Moderate irritant

Skin Contact: Non-irritating (rabbit)

Skin Sensitization: Not a Sensitizer (Guinea Pig)

Reproductive/Developmental Effects: None observed

Chronic/Subchronic Toxicity Studies: Liver effects at high dose animal tests.

Carcinogenicity: None observed.

Chemical Name	NTP/IARC/OSHA Carcinogen
Mefenoxam	No

Other Toxicity Information: None



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Target Organs:

Mefenoxam - Liver

12. Ecological Information

Ecotoxicity

Mefenoxam

Fish (Rainbow Trout) 96-hour LC50 > 121 ppm

Invertebrate (Water Flea) Daphnia Magna 48-hour EC50 > 113 ppm

Bird (Bobwhite Quail) 14-day LD50 981 mg/kg

Persistence and degradability:

Not persistent in soil or water. Moderate mobility in soil. Mixes/sinks (after 24 hours).

Bioaccumulation: Does not bioaccumulate

13. Disposal Considerations

Waste treatment methods

Disposal of wastes: 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

Water Transport – International

Not regulated

Air Transport

Not regulated

15. Regulatory Information

Pesticide Registration:

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:



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Caution: Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling.

EPA Pesticide Registration Number: 70252-11-48234

EPCRA SARA Title III Classification:

Section 311/312 Hazard Classes: Acute Health Hazard

Section 313 Toxic Chemicals: None

California Proposition 65

This product does not contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

CERCLA/SARA 304 Reportable Quantity (RQ): None

RCRA Hazardous Waste Classification: Not applicable

TSCA Status: Exempt from TSCA, subject to FIFRA

16. Other Information

NFPA:

Health Hazards	2
Flammability	1
Instability	0

HMIS

Health hazards	1
Flammability	1
Reactivity	0

For non-emergency questions about this product call: (770) 475-1254

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