



Safety Data Sheet

Issue Date: 11/10/2015

Revision Date:

Version:

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

Product Identifier

Product Name: Savvi ME

Other means of identification

EPA Pesticide Registration Number: 66222-41-48234

Recommended use of the chemical and restrictions on use

Recommended use: Fungicide

Details of the supplier of the safety data sheet

Company Name: Regal Chemical Company
600 Branch Dr.
Alpharetta, GA 30004
1-770-475-4837

Emergency Telephone: ChemTrec 1(800) 424-9300

2. Hazardous Identification

Classification: Specific Target Organ Toxicity: Repeated Category 2
Specific Target Organ Toxicity: Respiratory Irritation Category 3
Flammable Liquid: Category 4
Eye Damage/Irritation: Category 2B

Health Hazards: Harmful if swallowed or inhaled. Eye irritant. Possible skin sensitizer.

Physical Hazards: May release toxic fumes if burned.

Environmental Hazards: Propiconazole is toxic to aquatic life.

Signal Word: Warning

Hazard statements: Combustible Liquid
Causes eye irritation
May cause respiratory irritation
May cause damage to organs through prolonged or repeated exposure



Emergency Overview

Precautionary Statements – Wash hands and face thoroughly after handling.



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

If eye irritation persists: Get medical advice

Keep away from heat, sparks, open flames, hot surfaces. No smoking.

Do not breathe mist, vapors, spray.

Use only outdoors or in a well-ventilated area.

Wear protective gloves, protective clothing, eye protection.

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

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

In case of fire: Use dry chemical, foam or CO₂ for extinction.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents and container in accordance with local regulations.

Hazards not otherwise classified (HNOC): None

Other Information: None

3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS Number</u>	<u>Concentration</u>
1 – [[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole	Propiconazole	60207-90-1	14.3%

4. First Aid Measures

First aid measures:

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.

Skin Contact: If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

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.

Ingestion: If swallowed: Call emergency phone number (800) 424-9300 or a poison control center. Do not give any liquid to the person. Do not induce vomiting unless told to do so after calling. Do not give anything by mouth to an unconscious person.

Most Important systems and effects, both acute and delayed:

Eye irritation

Respiratory irritation



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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.

Note to physicians

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.

Unsuitable extinguishing media:

Specific hazards arising from the chemical: 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 fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

Protective equipment and precautions for firefighters

Wear full protective clothing and self-contained breathing apparatus. Evacuate non-essential 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 outlines 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 outlines 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 place into 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.



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Conditions for safe storage, including any incompatibilities:

Store locked up.

8. Exposure Controls/Personal Protection

Control Parameters

Exposure Guidelines:

COMPONENT	OSHA PEL	ACIGH TLV
Propiconazole	Not listed	Not listed

Appropriate engineering controls:

Engineering Controls: Proper ventilation is required when handling or using this product to minimize exposure to airborne contaminants. Local mechanical exhaust ventilation may be required. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Individual protection measures, such as personal protective equipment

Eye/Face protection: Safety glasses or goggles.

Skin and body protection: Long-sleeved shirt and pants, shoes plus socks.

Gloves: Chemical-resistant gloves.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

General Hygiene Considerations: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible wash thoroughly and change into clean clothing.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical State: Liquid

Appearance: Clear/amber

Odor: Mild

Property

pH

Values

6.8-7.8

Melting point / Freezing Point

Not applicable

Boiling Point / Boiling Range

No data

Flash Point

>100°C

Evaporation Rate

No data

Flammability (solid, gas)

Not available

Vapor Pressure

9.8 X 10⁽⁻⁷⁾ mmHg @ 68°F (20°C)



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Vapor Density	> 3
Specific Gravity	1.082
Water Solubility	0.1 g/l @ 68°F (20°C)
Partition Coefficient	No data
Autoignition Temperature	No data
Decomposition Temperature	No data

Other Information: None

10. Stability and Reactivity

Reactivity:

Chemical Stability: Stable under normal use and storage conditions.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Flame, heat, ignition sources.

Incompatible Materials: Strong oxidizers.

Hazardous Decomposition Products: Can decompose at high temperatures forming toxic gases.

11. Toxicological Information

Information on Toxicological Effects

Inhalation: Excessive exposure may cause irritation to upper respiratory tract. When respiratory protection is required for certain operations, use a NIOSH approved air-purifying respirator especially if ventilation controls are adequate. May cause mild central nervous system effects. Symptoms of excessive exposure are dizziness and drowsiness.

Eye Contact: May cause moderate eye irritation. Degree of injury will depend on amount of material that gets into the eye and the speed and thoroughness of the first aid treatment.

Skin Contact: Brief contact may cause mild skin irritation. Product is not a sensitizer. Prolonged skin contact is unlikely to result in absorption of harmful amounts but may cause moderate skin irritation.

Ingestion: Small amounts swallowed incidental to normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury. Give victim two glasses of water to drink. DO NOT induce vomiting. Careful gastric lavage may be indicated.

Acute Toxicity:

Oral LD50 (rat): >3,000 mg/kg

Dermal LD50 (rat): >2,000 mg/kg

Inhalation LC50 (rat): >2 mg/L for 4 hours

Eye irritation (rabbit): No data available

Skin irritation (rabbit): No data available

Sensitization (guinea pig): No data available



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Carcinogen Status

OSHA – Not listed

NTP – Not listed

IARC – Not listed

Teratogenicity: Effects only noted at maternally toxic doses.

Mutagenicity: Weight of evidence indicates that propiconazole is non-mutagenic.

12. Ecological Information

ENVIRONMENTAL SUMMARY:

This pesticide is toxic to fish and shrimp. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash waters.

FATE:

Propiconazole is moderately persistent with a soil half-life of 30-365 days depending on soil type and weather conditions. Propiconazole binds to soil and is immobile in most soil types.

Fish Toxicity (Technical)

96 hour LC50, Rainbow trout 0.8 ppm

96 hour LC50, Bluegill 1.3 ppm

Avian Toxicity (Technical)

Dietary LC50, Bobwhite quail > 5,000 ppm

Dietary LD50, Mallard duck > 5,000 ppm

Bee Toxicity (Technical)

> 25 ug/bee

13. Disposal Considerations

Do not contaminate water, food or feed by storage or disposal.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or mix tank and drain for ten seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for ten seconds. Pour rinsates into application equipment or mix tank or store rinsates for later use and disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Refer to the product label for additional and complete Container Handling instructions.



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14. Transport Information

Shipping Description

Ground Transport:

Not regulated by DOT

Marine Transport:

UN3082, Environmentally Hazardous Substance, Liquid, N.O.S., 9, III, Marine Pollutant (propiconazole).

Transport Hazard Class: N/a

UN Number: N/a

DOT Packing Group: PG III

15. Regulatory Information

CERCLA Reportable Quantity – Not listed

SARA Title III Status

311/312 Hazard Categories – Immediate, Fire

313 Toxic Chemicals – Propiconazole

California Prop 65 – Propiconazole is not listed

TSCA: This product is exempted from the TSCA because it is solely for FIFRA regulated use.

16. Other Information

HMIS

Health hazards 1

Flammability 1

Physical hazards 0

Key:

4 = Severe

3 = Serious

2 = Moderate

1 = Slight

0 = Minimal

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