

MATERIAL SAFETY DATA SHEET

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General Information No.
In Case of Emergency, Call
PROSAR:

229-245-8845
888-875-1724

I. PRODUCT IDENTIFICATION

Product Name: Kestrel MEX
Active ingredients: Propiconazole (14.3%)
Active Ingredients IUPAC Name: 1-[[2- (2,4-dichlorophenyl) -4-propyl-1, 3-dioxolan-2-yl]- 1H-1, 2, 4-triazole

II. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS Number</u>	<u>% by Wt.</u>
Propiconazole	60207-90-1	14.3

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing.. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Keep out of the reach of children

POTENTIAL HEALTH HAZARDS

Eye: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear appropriate protective eyewear such as goggles, face shield, or safety glasses.

Skin: Prolonged or repeated skin contact may cause irritation.

Inhalation: Slightly irritating to respiratory tract

Ingestion: May be harmful if swallowed.

IV. FIRST AID MEASURES

If Swallowed: Call a poison control center or doctor immediately for treatment advice. Have affected person sip a glass of water if able to swallow. 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.

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.

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

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

V. FIRE FIGHTING MEASURES

Flash point: 92°C (165°F) (TCC)

Flammable Limits (LFL-UFL): Unknown.

Fire and Explosion Hazards: Can burn in fire, releasing irritating and toxic gases due to thermal decomposition or combustion.

Means of Extinction: Use foam, dry chemical, carbon dioxide, or water spray when fighting fires involving this material.

Fire Fighting Instructions: Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Dike and collect water used to fight fire to prevent environmental damage due to run off. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water run off.

Firefighting Equipment: Full fire fighting turn-out gear (Bunker gear).

Hazardous Combustion Products: Unknown.

VI. ACCIDENTAL RELEASE MEASURES

Clean up spills immediately, observing precautions in Section 8 of this document. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

Small spill: Absorb small spills or sand, vermiculite or other inert absorbent. Place contaminated material in appropriate container for disposal.

Large spill: Dike large spills using absorbent or impervious material such as clay or sand. Recover and contain as much free liquid as possible for reuse. Allow absorbed material to solidify, and scrape up for disposal. Pick up wash liquid with additional absorbent and place in a disposable container. After removal, flush contaminated area thoroughly with water. This material should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

VII. HANDLING AND STORAGE

KEEP OUT OF REACH OF CHILDREN!

Handling: Use only in a well-ventilated area. Do not reuse this container.

Storage: Keep away from food, feed and drinking water.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits (8 hour TWA):	(Refer to Section III)
Engineering Controls:	Proper ventilation is required when handling or using this product to keep exposure to airborne contaminants below the exposure limit. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Personal Protective Equipment:	
Eye Protection :	Chemical goggles or full face shield.
Clothing:	Long-sleeved shirt and long pants, shoes plus socks, Chemical resistant apron when cleaning equipment, mixing, or loading.
Gloves:	Chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride (PVC), viton.

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 and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations:

- 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 the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear amber liquid
Odor:	Slight solvent odor
pH:	5.5-6.0
Density:	1.09 g/mL (9.1 lb/gal)
% Volatile:	Unknown
Solubility in Water:	Dispersible

X. STABILITY AND REACTIVITY

Conditions to avoid:	Avoid temperatures above 150°F and below 20°F.
Chemical stability:	Stable, however may decompose if heated.
Hazardous decomposition products:	Unknown.
Incompatibility with other materials:	Alkaline and acidic conditions and materials. Oxidizing materials.
Polymerization:	Product will not undergo polymerization

XI. TOXICOLOGICAL INFORMATION

Acute Toxicity:

Oral LD ₅₀ (rat)	-	> 3,000 mg/Kg
Dermal LD ₅₀ (rat)	-	> 2,000 mg/Kg
Inhalation LC ₅₀ (rat)	-	> 2.0 Mg/L/4 hour
Eye Irritation (rabbit)	-	Moderately
Skin Irritation (rabbit)	-	Slight
Sensitization (guinea pig)	-	Non-sensitizer

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

Carcinogen Status:

OSHA	-	Not listed
NTP	-	Not listed
IARC	-	Not listed

Mutagenic Data: No evidence of effects during in vivo or in vitro studies

XII. ECOLOGICAL INFORMATION

ENVIRONMENTAL SUMMARY

This pesticide is toxic to fish. 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 disposing of equipment wash water.

Fish toxicity: (Technical)

96 hour LC ₅₀ , Rainbow trout	5.2 ug/L
96 hour LC ₅₀ , Bluegill	> 100 ppm

Avian toxicity: (Technical)

Oral LD ₅₀ , Bobwhite quail	> 2,500 mg/Kg
Oral LD ₅₀ , Mallard duck	> 2,500 mg/Kg

Bee toxicity:

Non-toxic.

XIII. DISPOSAL CONSIDERATIONS

Pesticide Disposal:

Pesticide wastes are toxic. Improper disposal of unused pesticides, spray mixture, or rinse water is a violation of Federal law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

Container Disposal:

Do not reuse empty container. Triple rinse container (or equivalent), then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. Stay out of smoke from burning containers.

XIV. TRANSPORT INFORMATION

DOT Shipping Description: Agricultural Fungicide, Liquid, N.O.I.B.N.
DOT Hazard Class: N/A
UN Number: N/A
DOT Packing Group: N/A
DOT Primary/Secondary Label: N/A
DOT Primary/Secondary Placard: N/A
DOT Emergency Response Guide #: N/A

XV. REGULATORY INFORMATION

FIFRA

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act. The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide.

OSHA Hazard Communication Standard Status: Regulated

CERCLA Reportable Quantity: None

SARA TITLE III STATUS:

302 Extremely Hazardous Substance - No
311/312 Hazard Categories - Acute Health
313 Toxic Chemicals - Propiconazole (CAS# 60207-90-1)

CALIFORNIA PROP 65 Status: Not Listed

XVI. OTHER INFORMATION

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