Date Issued: May 2012
Supersedes: New

MATERIAL SAFETY DATA SHEET

Centynal™ Insecticide

Manufacturer: Wellmark International

Address: 1501 East Woodfield Road, Suite 200W, Schaumburg, IL 60173

Emergency Phone: 1-888-914-2082

Transportation Emergency Phone: CHEMTREC: 1-800-424-9300

1. CHEMICAL PRODUCT INFORMATION

Product Name: Centynal™ Insecticide

Chemical Name/Synonym: [(S)-cyano-(3-phenoxyphenyl)-methyl] (1R,3R)-3-(2,2-dibromoethenyl)-2,2-dimethyl-cyclopropane-1-carboxylate (Deltamethrin)

Chemical Family: Pyrethroids

Formula: $C_{22}H_{19}Br_2NO_3$

EPA Registration No.: 53883-276-2724

RF Number: N/A

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component (chemical, common name)	CAS Number	Weight	Tolerance
Deltamethrin	52918-63-5	4.75%	None Est.
Inert ingredients		95.25%	None Est

3. HAZARD INFORMATION

PRECAUTIONARY STATEMENTS

KEEP OUT OF THE REACH OF CHILDREN

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION

HARMFUL IF INHALED. AVOID BREATHING VAPOR OR SPRAY MIST. CONTACT WITH PRODUCT MAY RESULT IN TRANSIENT TINGLING AND REDDENING OF THE SKIN. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE.

PRIMARY ROUTE OF ENTRY **Dermal/Eye:** :Yes **Oral:** No **Inhalation:** Yes

ACUTE TOXICITY

Oral: No specific hazard identified

Dermal: No specific hazard identified

Inhalation: Harmful if inhaled

OTHER TOXICOLOGICAL INFORMATION

Skin Irritation: Contact with product may result in transient tingling and reddening of the skin

Eye Irritation: No irritation

Sensitizer: No data available

4. FIRST AID MEASURES

Eye: Flush eyes with water for 15 minutes. Seek medical attention if irritation persists.

Skin: Wash promptly with plenty of soap and water. Wash contaminated clothing.

Ingestion: Call poison control center immediately. Do not induce vomiting unless directed to do so by physician.

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

Note to Physician: Contact Prosar at 1-888-914-2082 for emergency medical treatment information.

5. FIRE FIGHTING MEASURES

NFPA Rating: **Health: 1** **Fire: 0** **Reactivity: 0**

Flammability Class: Non-Flammable

Flash Point: N/A

Explosive Limits (% of Volume): N/A

Extinguishing Media: Water fog, CO2, foam, dry chemical

Special Protective Equipment: Firefighters should wear full protective clothing including self contained breathing apparatus.

Fire Fighting Procedures: Normal procedures. Do not allow fire fighting water to escape into waterways or sewers.

Combustion Products: Stable. May release HCl, oxides of chlorine, CO, hydrogen and carbon. Avoid strong oxidizers and corrosives. Hazardous polymerization will not occur

Unusual Fire/Explosion Hazards: May release irritating and toxic gases due to thermal decomposition or combustion.

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken: Do not discharge into municipal wastewater or public storm drains. Eliminate runoff as much as possible.

Absorbents: Clay granules, sawdust, dirt or equivalent.

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

7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

Storage: Mix as needed. Store in original container in a secured dry storage area. Avoid extremes in temperatures. Prevent cross-contamination with other pesticides and fertilizers. If the container is leaking and/or material is spilled, on floor or paved surfaces absorb on sawdust or other commercially available absorbing material, sweep up and remove to chemical waste area for your disposal. Concentrate is stable at normal storage temperatures.

8. EXPOSURE CONTROL/PERSONAL MEASURES

Exposure Limits: None Established

Ventilation: Use with adequate ventilation.

Personal Protective Equipment: Use appropriate protective equipment to prevent contact with eyes, clothing and skin, including chemical resistant gloves and protective eyewear. Respiratory protection is not likely to be needed. End users of this product should consult product labeling for personal protective equipment recommendations.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: White odorless liquid

Boiling Point: N/A

Melting Point: N/A

Vapor Pressure (mm Hg): N/A

Vapor Density (Air = 1): N/A

Specific Gravity: 1.03-1.04(g/ml)

Bulk Density: N/A

Solubility:

Evaporation Rate: N/A

pH: 4.5-6.0

10. STABILITY AND REACTIVITY

Stability: Stable

Reactivity: Not reactive

Incompatibility w/ Other Materials: N/A

Decomposition Products: N/A

Hazardous Polymerization: Not occur

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Acute oral toxicity: LD50 >5,000 mg/kg
Acute dermal toxicity: LD50 >20,000 mg/kg
Acute inhalation toxicity: LC50 >2 – 20 mg/kg
Skin irritation: No irritation
Eye irritation: No irritation

12. ECOLOGICAL INFORMATION

Aquatic:	Extremely toxic to fresh water and estuarine fish and invertebrates.
Avian:	LD50 Bobwhite quail- >2,250 mg/kg
Bioaccumulation:	Unknown.
Summary:	To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters.

13. DISPOSAL CONSIDERATIONS

Wastes resulting from use of this product should be disposed of in accordance with all federal, state and local requirements. For additional regulatory information, see section 15 of this document.

14. TRANSPORT INFORMATION

DOT49CFR Description: Not Regulated

Freight Classification: Insecticide, Liquid, Other Than Agriculture N.O.I.B.N.

15. REGULATORY INFORMATION

CERCLA (Superfund): Not Regulated

RCRA: Not Regulated

SARA 311/312 HAZARD CATEGORIES

Immediate Health: Yes (irritant)

Delayed Health: No

Fire: No

Sudden Pressure: No

Reactivity: No

The information presented herein, while not guaranteed, was prepared by technically knowledgeable personnel and to the best of our knowledge is true and accurate. It is not intended to be all inclusive and the manner and conditions of use and handling may involve other or additional considerations.