

For Chemical Emergency, Spill, Leak, Fire, Exposure or Accident
CALL CHEMTREC – Day or Night 1-800-424-9300 or 1-800-228-5635

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: AGROX Premiere
Synonyms: Diazinon: 0,0-diethylO-(2-isopropyl-5-methyl-4-pyrimidinyl) phosphorothioate
Captan: N-trichloromethylthio-4-cyclohexene-1,2-dicarboximide
Lindane: Hexachlorocyclohexane, gamma isomer
Metalaxyl: N-(2,6-dimethylphenyl)-N-(methoxyacetyl)amine methyl ester
EPA Reg. No.: 13801-165
Company ID: Agrilience, LLC Company
PO Box 64089
St. Paul, MN 55164-0089
Phone #s: Emergency Phone Number - CHEMTREC (day or night): 1-800-424-9300
For Medical Emergency - Call 1-877-424-7452
Date: 06/15/03 Supersedes: 11/15/00

2. COMPOSITION INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS Reg. No.</u>	<u>% by weight</u>
Chemical Ingredients: Active Ingredient:		
Diazinon	333-41-5	15.52
Captan	133-06-2	15.00
Lindane	58-89-9	25.00
Metalaxyl	57837-19-1	1.00
Other Ingredients:		43.48
See Section 8 for Personal Protection Limits (PPE).		

3. HAZARDS IDENTIFICATION

Emergency Overview:

Appearance & Odor: Light gray powder with a sweet odor.

Warning Statements: This is a combination of fungicide and insecticide product that contains an organophosphate. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is an antidote. 2-Pam may also be administered but only in conjunction with atropine. Harmful if swallowed. May cause irritation of the eyes. Dusts are irritating to the eyes and the respiratory tract. May be harmful if absorbed through the skin, considered low to moderate toxicity. Repeated exposure may cause reddening of skin, rash, dermatitis or other skin reactions.

Potential Adverse Health Effects:

Eye Contact: Can cause irritation.
Skin Contact: Irritation may occur.
Ingestion: Call a poison control center or doctor immediately. Sip a glass of water if able to swallow. Do not induce vomiting unless directed by a doctor or poison control center.
Inhalation: Remove to fresh air. If a person is not breathing, call 9-1-1 or an ambulance, then administer artificial respiration, preferably mouth-to-mouth.

4. FIRST AID MEASURES

If in Eyes: Rinse with a large amount of running water for at least 15 minutes. Hold eyelids

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- apart to rinse the entire surface of the eyes and lids. Seek medical attention if irritation persists.
- If on Skin: Remove contaminated clothing. Rinse skin immediately with plenty of soap and water for 15 minutes, include hair and under fingernails.
- If Swallowed: Call a poison control center or doctor immediately. Sip a glass of water if able to swallow. Never give anything to a person who is unconscious.
- If Inhaled: Remove to fresh air. If not breathing, call 9-1-1 and provide mouth-to-mouth resuscitation. Seek medical help if breathing is difficult.

5. FIRE FIGHTING MEASURES

Flash Point: Does not flash. Flammable Limits: Not established.

Extinguishing Media: Considered non-combustible, use medium appropriate to surrounding fire, water spray or fog, foam, carbon dioxide or dry chemical.

Special Fire Fighting Procedures: Avoid heavy hose streams, airborne dusts may create explosive hazard. Provide for the protection of the employees and residents: a.) Evacuate residents who are downwind of fire; b.) Prevent unauthorized entry to the fire area; c.) Persons who may have been exposed to contaminated smoke should be examined by a physician and treated appropriately;) dike area to prevent runoff and contamination of water sources. Notify local authorities that firemen should, wear self-contained breathing apparatus with full protection clothing, be immediately relieved from duty, if exposed to contaminated smoke and checked for symptoms of poisoning. These should not be mistaken for heat exhaustion or smoke inhalation. See section 11 for toxicological data.

Unusual Fire or Explosion Hazards: Thermal decomposition products may be hazardous.

These include carbon dioxides, phosphorus oxides, sulfur oxides, nitrogen oxides, hydrochloric acid, chlorine and phosgene.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak

Wear chemical safety glasses with side shields or chemical goggles, waterproof gloves, rubber boots, long-sleeved shirt, long pants, head covering, and a NIOSH-approved pesticide respirator or air-supplied respirator. For small spills, 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 disposal 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.

Check with local, state and federal regulations prior to disposal.

7. HANDLING AND STORAGE

Protect from excessive heat. Store in a cool, dry place away from children, food, feed 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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective Equipment:]

Eye Protection: Face shield, goggles, safety shower and eyewash should be accessible.

Skin Contact: To avoid skin contact, wear chemical resistant gloves and boots, coveralls or long-sleeved shirt, long pants and chemical resistant head covering for overhead protection. Discard clothing and other absorbent materials that have been

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drenched or heavily contaminated with this product concentrate.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washing, use detergent and hot water. Keep and wash PPE separately from other laundry.

Respiratory Protection: A respirator with either an organic vapor-removing cartridge with a pre-filter approved for pesticides (MSHA/NIOSH approved prefix TC-23C_) or canister approved for pesticides (MSHA/NIOSH approved prefix TC-14C) or NIOSH approved respirator with an organic vapor (OV) cartridge or canister with an N, R, P or HE pre-filter.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light gray powder
Odor: Sweet odor
Solubility: Insoluble in water
Bulk Density: 23.5 lbs./f³

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

Chemical Stability: Stable
Conditions to Avoid: Excessive heat and moisture.
Materials to avoid: Strong acids and bases
Hazardous Decomposition Products:

Oxides of sulfur, nitrogen, phosphorus; hydrochloric acid, chlorine, and phosgene. Incomplete combustion may lead to formation of carbon monoxide and/or other asphyxiates

Hazardous Polymerization: Will not occur

11. TOXICOLOGICAL INFORMATION

Eye Irritation: Severe irritant
Skin Irritation: Mild irritant
Dermal Sensitization: Not a sensitizer
Acute Oral LD₅₀ (rat): 11000mg/kg
Acute Dermal LD₅₀ (rat): >2000mg/kg
Acute Inhalation LC50(4hr rat): 2.8 mg/kg

Exposure Limits:	ACGIH (TLV)	OSHA (PEL)
Diazinon	0.1 mg/m ³ (skin)	0.1 mg/m ³ (skin)
Captan	5.0 mg/m ³	5 mg/m ³
Lindane	0.5 mg/m ³ (skin)	0,5 mg/m ³ (skin)
Metalaxyl	Not established	Not established

Carcinogenicity, teratogenicity, and mutagenicity: NTP, IARC for crystalline silica

12. ECOLOGICAL INFORMATION

No environmental fate data available.

13. DISPOSAL CONSIDERATIONS

Disposal

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Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration or if allowed by local and state authorities, by burning. Stay out of smoke if burned. Check the local, state and federal health and environmental regulations.

Waste disposal

If wastes cannot be disposed of by use according to label instructions, contact the local, state and federal agency for guidance.

Steps to be taken if material is released or spilled

Wear proper PPE found in section 8. Sweep up as much as possible and dispose of properly.

Precautions to be taken in handling and storing

Protect from excessive heat. Store in a cool dry place away from water, food and feed.

14. TRANSPORTATION INFORMATION

Follow the precautions indicated in the Handling and Storage Section, Section 7 of this MSDS.

DOT Classification: UN3077, Environmentally Hazardous Substance, Solid, N.O.S., 9, III (Lindane, Diazinon) RQ

Reportable Quantity: 1 pound for Diazinon and Lindane; 10 lbs for Captan

15. REGULATORY INFORMATION

SARA Hazard Notification/Reporting

Immediate Y Fire N Sudden Release of Pressure N
Delayed Y Reactive N

SARA Title 313, Toxic chemicals: Captan (CAS: 133-06-2) > 15%;
Lindane (CAS: 58-89-9) 25%

Section 302-304 (40CFR 350): Lindane TPQ 1000 lbs

Extremely hazardous substance (EHS): Lindane (CAS: 58-89-9)

SARA/OSHA Hazardous chemical reporting quantity: 10,000 lbs.

RCRA Hazardous waste: Lindane (CAS: 58-89-9) U129

16. OTHER

Reasons for revision: New ANSI Format.

National Fire Protection Association (NFPA)

Hazardous Materials Identification System (HMIS)

NFPA		HMIS	
	0 Least		
3 Health	1 Slight	3	Health
0 Flammability	2 Moderate	0	Flammability
0 Instability	3 High	0	Reactivity
	4 Severe	H	PPE

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