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## MATERIAL SAFETY DATA SHEET

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### PALESTER 500SC

#### SECTION 1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Name: Fluazinam 300 gr/lt + Cymoxanil 200gr/lt SC

Chemical Name:

3-chloro-N-[3-chloro-2,6-dinitro-4-trifluoromethyl)phenyl]-  
5-trifluoromethyl-2-pyridinamine; 1-(2-cyano-2-  
methoxyiminoacetyl)-3-ethylurea

Use: fungicide.

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#### SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

Composition	Content	CAS RN
Fluazinam	300g/lt	79622-59-6
Cymoxanil	200g/lt	57966-95-7

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#### SECTION 3 HAZARDS IDENTIFICATION

Health and Environmental

May be harmful in contact with skin. Causes moderate eye and skin irritation. May cause an allergic skin reaction.

Hazardous Decomposition Products

None known.

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#### SECTION 4 FIRSTAID MEASURES

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so after calling 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.

Notes to Physician

There is no specific antidote if this product is ingested.

Treat symptomatically.

Persons suffering a temporary allergic reaction may respond to treatment with antihistamines or steroid creams and/or systemic steroids.

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### **SECTION 5 FIRE FIGHTING MEASURES**

Unusual Fire, Explosion and Reactivity Hazards

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

In Case of Fire

Use dry chemical, foam or CO<sub>2</sub> extinguishing media. 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.

Prevent use of contaminated buildings, area, and equipment until decontaminated. Water runoff can cause environmental damage. If water is used to fight fire, dike and collect runoff.

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### **SECTION 6 ACCIDENTAL RELEASE MEASURES**

In Case of Spill or Leak: 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 in Protective Equipment Section. 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.

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### **SECTION 7 HANDLING AND STORAGE**

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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### **SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

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. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Skin Contact:** Where contact is likely, wear chemical-resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, 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.

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### SECTION 9 PHYSICAL PROPERTIES

**Appearance:** light yellow liquid  
**pH:** 6-8 (1% solution in H<sub>2</sub>O at 25°C).

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### SECTION 10 STABILITY AND REACTIVITY

**Stability:** Stable under normal use and storage conditions.  
**Hazardous Polymerization:** Will not occur.  
**Conditions to Avoid:** Avoid contact with heat or open flame.  
**Materials to Avoid:** None known.  
**Hazardous Decomposition Products:** None known.

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### SECTION 11 TOXICOLOGICAL INFORMATION

**Ingestion:** Oral (LD<sub>50</sub> Rat) : > 2000 mg/kg body weight  
**Dermal:** Dermal (LD<sub>50</sub> Rat) : > 2000 mg/kg body weight  
**Inhalation:** Inhalation (LC<sub>50</sub> Rat) : > 3.56 mg/l air - 4 hours  
**Eye Contact:** Mild Irritating (Rabbit)  
**Skin Contact:** Moderately Irritating (Rabbit)  
**Skin Sensitization:** non sensitizer to guinea pigs.

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### SECTION 12 ECOLOGICAL INFORMATION

- Fish	Rainbow trout ( <i>Oncorhynchus mykiss</i> )	96-h LC <sub>50</sub> : 0.68mg/l,
	Carp	0.62mg/l
- Invertebrates	Daphnids ( <i>Daphnia magna</i> )	48-h EC <sub>50</sub> : 0.59 mg/l
- Algae	Green algae ( <i>Desmodesmus subspicatus</i> )	96-h IC <sub>50</sub> : 0.045 mg/l
- Birds	Japanese quail ( <i>Coturnix coturnix japonica</i> )	LD <sub>50</sub> : > 5000 mg/kg
	Mallard ducks	LD <sub>50</sub> : > 5000 mg/kg
- Earthworms	<i>Eisenia foetida</i>	14-day LC <sub>50</sub> : > 1500 mg/kg dry soil
- Bees	Honeybee ( <i>Apis mellifera</i> )	48-h LD <sub>50</sub> , contact: > 0.1mg/bee 48-h LD <sub>50</sub> , oral: > 0.1mg/bee

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## **SECTION 13 DISPOSAL CONSIDERATIONS**

Disposal: 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: Under certain circumstances, discarded product may exhibit TCLP hazardous characteristics. A hazardous waste determination should be done on a case by case basis.

Listed Waste: Not Applicable

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## **SECTION 14 TRANSPORTATION**

**INFORMATION** Water Transport - International

Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (Fluazinam), Marine Pollutant

Hazard Class: Class 9

Identification Number: UN 3082

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## **SECTION 15 OTHER INFORMATION**

No

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