

Safety Data Sheet

Section 1 - Product and Company Identification

Product Name: Pertinent Ag HerdGuard Premix

Manufacturer: Pertinent Eco-Solutions, Inc.

Technical Phone: (919) 676-8644

Emergency Phone in USA: INFOTRAC: 1-800-535-5053

Section 2 - Hazards Identification

- Label Precautionary Statements: Caution
- Most Important Hazards: Product is non-flammable and non-toxic.
- When heated may release Oxides of Sulfur
- Effects Of Product: Skin Contact, Eye Contact: Causes Irritation Moderate.
- Main Symptoms: If Inhaled Or Swallowed In Large Quantities: Headaches, Nausea.
- Chemical Classification: Non-toxic.
- Special Instructions: Not Hazardous To Humans And The Environment.
- May be toxic and cause adverse effects to Aquatic Organisms.

Section 3 - Composition/Information on Ingredient

- **Substance Name:** Diflubenzuron
- **Synonyms:** Benzamide,N-(((4-chlorophenyl) amino) carbonyl) -2,6-difluoro-*N- (((4-Chlorophenyl) amino) carbonyl) -2,6-difluorobenzamide*1-(4-Chlorophenyl) -3-(2,6-difluorobenzoyl) urea *Diflubenzuron * Difluron * Dimilin * DU 112307 *
- **Chemical Nature:** Benzoylurea
- **Chemical Abstracts Service (CAS):** 35367-38-5.
- **Ingredient :** Diflubenzuron: 0.67%

Section 4 - First Aid Measures

INHALATION: Move person to fresh air, keep comfortable for breathing. If you need to initiate breathing, do not perform mouth-to-mouth resuscitation. Artificial respiration only.

SKIN CONTACT: Remove contaminated clothing. Do not rub the affected areas. Wash with soap and water in abundance.

EYE CONTACT: Flush with running water for at least 15 minutes. If irritation persists, seek medical attention according to the product label directions.

INGESTION: If swallowed, call a poison center or doctor/physician. Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel.

NOTES: Emergency treatment and medical treatment after overexposure should be directed to the control of the whole picture of symptoms and clinical conditions. There are no specific antidotes.

Section 5 - Fire Fighting Measures

- **EXTINGUISHING MEDIA:** Water, foam, chemical powders and carbon dioxide.
- **SPECIFIC HAZARDS:** The product is non-reactive under normal conditions of use, storage and transport.
- **SPECIAL METHODS:** Move out or cool all containers and equipment exposed to fire or heat. Prevent fire fighting water to reach streams.
- **PROTECTION OF FIREFIGHTERS:** Complete protection against fire and SCBA respiratory protection.

Section 6 - Measures For Accidental Spill

- **PERSONAL PRECAUTIONS:** Wear personal protective equipment, gloves, safety goggles and appropriate respiratory protection if area is not well-ventilated (See section 8). Do not let people without individual protection equipment in the area. No smoking on site and signal properly.
- **ENVIRONMENTAL PRECAUTIONS:** If possible, stop the leak and prevent the spread of product by avoiding contact with skin and clothing. Prevent the product or the waters of the emergency services reach watercourses, gutters, culverts or storm drains. In the event of significant spillage, trap with dikes of earth, sand or similar.
- **METHODS FOR CLEANING:** Shut off leak and remove as much product as possible. Do not dispose in regular trash or water courses. The final disposal or treatment should always be done in approved facilities.

Section 7 - Handling and Storage

- **HANDLING:** Provide local exhaust ventilation where processes require. Use personal protective equipment to avoid contact with skin and eyes. Complying with general safety and industrial hygiene. Open and handle containers carefully.
- **STORAGE:** Keep away from light and store at room temperature, store the product in original packaging.

Section 8 - Exposure Controls / PPE

- **PROPER PROTECTIVE EQUIPMENT:** Protective gloves, safety goggles, protective clothing (long-sleeved shirt, pant and shoes plus socks), NIOSH approved respiratory protection if airborne dust is present or in case of inadequate ventilation.
- **SPECIAL PRECAUTIONS:** Product handling facilities should have an emergency shower and eye washer.
- **HYGIENE MEASURES:** Wash clothes and shoes after use, general methods of control used in industrial hygiene should minimize exposure to the product. Do not eat or drink while handling chemicals, wash hands before meals and at the end of the workday.

Section 9.0 Physical And Chemical Properties

Appearance and odor: Odorless, tan to reddish brown particles

Boiling point: 218°C – 220°C (424.4°F – 428 °F).

Solubility: Soluble in Organic Solvents.

Decomposition Temperature: No data available

Section 10.0 Stability And Reactivity

Special Conditions: Stable at room temperature and under normal use. The product is non-reactive under normal conditions of use, storage and transport.

Materials to Avoid: Not identified.

Section 11.0 Toxicological Information

Acute Effects

May Be Harmful if inhaled, ingested or if absorbed by skin.

May Cause Eye Irritation.

May Cause Skin Irritation.

Material May Be Irritating To Mucous Membranes And Upper Respiratory Tract.

Orl-Rat Ld50: 5000 mg/Kg

Skn-Rat Ld50: >10 g/Kg

Ipr-Rat Ld50: >7500 mg/Kg

Scu-Rat Ld50: >3400 mg/Kg

Skn-Rbt Ld50: 2 g/Kg

Orl-Mus Ld50: 4640 mg/Kg

Skn-Mus Ld50: >6200 mg/Kg

R-Mus Ld50: 2150 mg/Kg

Scu-Mus Ld50: >4 g/Kg

Unr-Mus Ld50: 4600 mg/Kg

Section 12.0 Ecotoxicity

Acute Toxicity [Values for the technical active ingredient only]:

Fish: LC50 >106.4 mg/L (rainbow trout); LC50 >64.8 mg/L (zebra fish).

Aquatic invertebrates: LC50 = 0.0026 mg/L (Daphnia magna);

Plants: IC50 >80 mg/L (Selenastrim capricornutum).

Section 13.0 Disposal Considerations

- **WASTE DISPOSAL:** Do not dump directly into sewers and waterways.
- **DESTRUCTION / DISPOSAL:** In accordance with the laws and regulations in force.
- **CLEAN DIRTY PACKAGING:** Wash with soap and water.
- **DESTRUCTION / DISPOSAL OF PACKAGING:** If you can, forward the packages to a specific collection. Do not reuse them.

Section 14.0 Transport Information

PRODUCT NOT FOUND IN THE ORDER IN FORCE ON TRANSPORTATION OF DANGEROUS GOODS

AIR TRANSPORTATION DGR - IATA

PRODUCT NOT FOUND IN RULES IN FORCE ON TRANSPORTATION OF DANGEROUS GOODS

Section 15.0 Regulatory Information**CERCLA (Superfund):** Not regulated**RCRA:** Not regulated**SARA 311/312 HAZARD CATEGORIES:****Immediate Health:** Yes**Delayed Health:** No**Fire:** No**Sudden Pressure:** No**Reactivity:** No**Section 16.0 Other Information**

The information contained herein is offered only as a guide to the handling of this specific material. Since such information does not relate to use of the material with any other material or in any process, any person using this information must determine for himself or herself its suitability for any particular application.

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