



Safety Data Sheet

Issue Date: no data available

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Version: 1.01

1. IDENTIFICATION

Product Identifier:

Product Name: Jewel® Pre-Emergent Herbicide
Product Number(s): E95905
Formula No.: S13127

Recommended Use of the Chemical and Restrictions on Use:

Description: Herbicide

Company:

Everris NA Inc.
P.O. Box 3310
Dublin, OH 43016
EPA Registration No.: 58185-34

24-HOUR EMERGENCY TELEPHONE NUMBERS:

CHEMTREC (U.S.): 1-800-424-9300
CHEMTREC (International): 1-703-527-3887
Non-Emergency Calls: 1-800-492-8255

2. HAZARD(S) IDENTIFICATION

This product is regulated by the Environmental Protection Agency (EPA). For label precautionary text, see Section 15.

OSHA Regulatory Status:

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin Sensitization

Category 1

Label Elements:

Emergency Overview

Warning

Hazard Statements:

May cause an allergic skin reaction



Appearance: granulate

Physical State: Solid

Odor:

Fertilizer

Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed out of the workplace
Wear protective gloves

Precautionary Statements - Response

IF ON SKIN: Wash with plenty of soap and water
If skin irritation or rash occurs: Get medical advice/attention
Wash contaminated clothing before reuse

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC):

Other Information:

• Very toxic to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredients | CAS-No | Weight % | Trade Secret |
|---|------------|----------|--------------|
| Other Ingredients | No CAS# | 96.75 | * |
| Oxadiazon | 19666-30-9 | 2 | * |
| Pendimethalin [N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzeneamine] | 40487-42-1 | 1.25 | * |

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures:

Eye Contact: 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.

Skin Contact: 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: 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.

Ingestion: Call a poison control center or doctor immediately for treatment advice. Have 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.

Indication of Any Immediate Medical Attention and Special Treatment Needed:

Notes to Physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water spray, carbon dioxide, dry chemical, chemical foam.

Unsuitable extinguishing media: High volume water jet.

Specific hazards: No information available.

Hazardous Combustion Products: Combustion can produce toxic fumes and irritating gases.

Explosion Data:

Sensitivity to Mechanical Impact:

no data available.

Sensitivity to Static Discharge:

no data available.

Special Protective Equipment for Firefighters: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Personal Precautions: Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not inhale dust/mist. Do not ingest.

Environmental Precautions: Prevent product from entering drains. Avoid subsoil penetration.

Methods and Material for Containment and Cleanup:

Methods for containment: Clean up promptly by sweeping or vacuum. Control spill with dykes and absorb with inert absorbant material.

Methods for Cleanup: If material is uncontaminated, collect and reuse as recommended for product. Place product in appropriate containers for recycling or disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Handling: Read label. Wear long-sleeved shirt, long pants, shoes, socks, and waterproof gloves when handling. Do not contaminate water sources when disposing of equipment wash waters. Keep out of lakes, streams or ponds. Keep out of reach of children and pets.

Conditions for Safe Storage, Including any Incompatibilities:

Storage: Keep containers tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

Exposure Guidelines:

| Ingredients | CAS-No | ACGIH: | OSHA: | IDLH: |
|---|------------|------------|------------|------------|
| Other Ingredients | No CAS# | Not Listed | Not Listed | Not Listed |
| Oxadiazon | 19666-30-9 | Not Listed | Not Listed | Not Listed |
| Pendimethalin [N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzene amine] | 40487-42-1 | Not Listed | Not Listed | Not Listed |

Appropriate Engineering Controls:

Engineering Measures to Reduce Exposure: Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

Individual Protection Measures, Such as Personal Protective Equipment:

- Eye/Face Protection:** Safety glasses with side shields or goggles.
- Skin and Body Protection:** Wear suitable protective clothing. Impervious clothing. impervious gloves.
- Respiratory Protection:** When airborne exposure guidelines and/or comfort levels may be exceeded, use an approved air-purifying respirator.
- General hygiene considerations:** Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing or PPE 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties:

| | | | |
|------------------------|------------|--------------------|--------------------------|
| Physical State: | Solid | Appearance: | granulate |
| Color: | yellow | Odor | No information available |
| Odor: | Fertilizer | Threshold: | |

| <u>Property</u> | <u>Values</u> | <u>Remarks: • Method</u> |
|--------------------------------------|----------------------------|--------------------------|
| pH: | No information available | |
| Melting Point/Freezing Point: | No information available | |
| Boiling Point/Range: | No information available | |
| Flash Point: | No information available | |
| Evaporation Rate: | No information available | |
| Flammability (solid, gas): | No information available | |
| Flammability Limits in Air: | | |
| Upper Flammability Limit: | No information available | |
| Lower Flammability Limit: | No information available | |
| Vapor Pressure: | No information available | |
| Vapor Density: | No information available | |
| Specific Gravity: | No information available | |
| Solubility: | negligible | |
| Solubility in other Solvents: | No information available | |
| Partition Coefficient: | No information available | |
| Autoignition Temperature: | No information available | |
| Decomposition Temperature: | No information available | |
| Kinematic Viscosity: | No information available | |
| Dynamic Viscosity: | No information available | |
| Explosive Properties: | No information available | |
| Oxidizing Properties: | Not considered an oxidizer | |

Other Information:

| | |
|--------------------------|--------------------------|
| Softening Point: | No information available |
| Molecular Weight: | No information available |
| VOC Content (%): | No information available |
| Density: | No information available |
| Bulk density: | 39 lbs/cu ft |

10. STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions

- Chemically Stable:** yes.
- Conditions to Avoid:** Damp or wet conditions. Contact with fuels and other organic or combustible materials.
- Materials to avoid** Chlorine compounds (sodium hypochlorite, sodium chlorate, pool chemicals, household bleach and other cleaning products).
- Hazardous Decomposition Products:** Toxic fumes and gases may be generated.
- Possibility of Hazardous Reactions:** Poses little or no immediate hazard.

11. TOXICOLOGICAL INFORMATION

Information on the Likely Routes of Exposure (inhalation, ingestion, skin and eye contact):

- Eye effects:** Irritating, but will not permanently injure eye tissue
- Skin effects:** Mild skin irritation
- Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
- Inhalation:** May cause irritation of respiratory tract.

Component Information:

| Ingredients | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---|----------------------|--------------------|------------------------|
| Pendimethalin [N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzeneamine] 40487-42-1 | = 1050 mg/kg (Rat) | - | - |

Information on Toxicological Effects:

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure:

- Sensitization:** No sensitization
- Mutagenic effects** No information available.
- Carcinogenicity:** No information available.
- Reproductive Toxicity** No information available.
- STOT - Single Exposure** No information available.
- STOT - Repeated Exposure** No information available.
- Aspiration Hazard** No information available.

Numerical Measures of Toxicity - Product Information:

The following values are calculated based on chapter 3.1 of the GHS document: .

- ATEmix (oral):** 84000 mg/kg
- LD50/oral:** > 5 g/kg
- LD50/dermal:** > 5 g/kg
- LC50/inhalation:** > 200 mg/l 4 hr

12. ECOLOGICAL INFORMATION

Ecotoxicity:

- Unknown Aquatic Toxicity:** 96.75% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Ecotoxicity effects: Very toxic to aquatic life with long lasting effects.

Persistence and degradability: Non-persistent.

Mobility: No information available.

Additional ecological information: This pesticide is toxic to fish. Use with care when applying to areas adjacent to any body of water. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water, or 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 washwaters.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods:

Disposal of Wastes: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the hazardous waste representative of the nearest EPA Regional Office for guidance.

Contaminated Packaging: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling, if available, or dispose of empty bag in a sanitary landfill or by incineration or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

14. TRANSPORT INFORMATION

The description shown may not apply to all situations. Consult 49 CFR, or appropriate dangerous goods regulations for additional description requirements (e.g. technical name) and mode-specific or quantity-specific shipping requirements.

DOT (Land) Not DOT regulated
DOT (AIR) Not DOT regulated
DOT (Vessel) Not DOT regulated

15. REGULATORY INFORMATION

Federal Regulations:

SARA 313:

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories:

| | |
|--|----|
| Acute health hazard | No |
| Chronic Health Hazard | No |
| Fire hazard | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CWA (Clean Water Act):

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA:

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

State Regulations (RTK):

California Proposition 65:

California Proposition 65:

WARNING: This product contains chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

| Component | California Proposition 65: |
|-------------------------------|---|
| Oxadiazon 19666-30-9 (2) | carcinogen, initial date 7/1/91 developmental toxicity, initial date 5/15/98 |

U.S. State Right-to-Know Regulations:

U.S. EPA Label information:

EPA Pesticide Registration Number:

58185-34

EPA Statement:

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Pesticide label:

KEEP OUT OF REACH OF CHILDREN

CAUTION. Harmful if swallowed. Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with eyes, skin, or clothing.

16. OTHER INFORMATION

NFPA: Health: 2 Flammability: 1 Reactivity: 0

HMIS: Health: 2 Flammability: 1 Reactivity: 0

Revision Date: 29-May-2015

Revision Note:

Reason for revision: None

Disclaimer

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End of Safety Data Sheet