



MATERIAL SAFETY DATA SHEET

Date stamp: 25-Apr-2012

MSDS Ref. No.: E95905

Revision Number: 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Jewel® Pre-Emergent Herbicide
Description: Herbicide

Company
Everris NA Inc.
P.O. Box 3310
Dublin, OH 43016

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

EPA Registration No.: 58185-34
Formula No.: S13127
Product Number(s): E95905

2. HAZARDS IDENTIFICATION

Labelling

Signal word: CAUTION

Precautionary Statements

Causes moderate eye irritation. Harmful if absorbed through the skin. Avoid contact with eyes, skin, and clothing. Keep out of reach of children.

Potential health effects

Eye contact: Irritating to eyes.
Skin contact: Irritating to skin.
Ingestion: Ingestion may cause irritation to mucous membranes.
Inhalation: Dust irritating to respiratory tract.

Aggravated Medical Conditions: Inhalation of dust may aggravate asthma. Pre-existing dermatitis or sores.
Principle routes of exposure: Skin, Inhalation
Target organ effects: Irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS-No	Weight %
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

4. 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

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

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

5. FIRE-FIGHTING MEASURES

Flammable properties: May burn under fire conditions.
Suitable extinguishing media: Water spray, carbon dioxide, dry chemical, chemical foam.

5. FIRE-FIGHTING MEASURES

Explosion potential:	Dust at sufficient concentrations may form explosive mixtures with air.
Hazardous combustion products:	Combustion can produce toxic fumes and irritating gases.
Fire fighting procedures:	Select appropriate method to surround and extinguish fire
Special protective equipment for firefighters:	In the event of fire, wear self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear personal protective equipment
Environmental precautions:	Prevent product from entering drains
Methods for containment:	Clean up promptly by sweeping or vacuum. Control spill with dykes and absorb with inert absorbant material.
Methods for cleaning up:	If material is uncontaminated, collect and reuse as recommended for product. Place product in appropriate containers for recycling or disposal.

7. HANDLING AND STORAGE

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.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredients	ACGIH:	OSHA:
Oxadiazon	Not Listed	Not Listed
Pendimethalin [N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzeneamine]	Not Listed	Not Listed
Other Ingredients	Not Listed	Not Listed

Engineering controls

Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard

Personal Protective Equipment**Eye/face protection**

Safety glasses with side shields or goggles.

Skin and body protection:

Wear suitable protective clothing if contact is anticipated during manufacturing.

Respiratory protection:

If airborne levels are high or product does not remain intact, use a combination of engineering controls (e.g. ventilation) and personal protection, e.g., NIOSH/MSHA approved respirator for dusts, mists, and fumes

Applicator PPE

Safety glasses with side shields or goggles. To reduce exposure potential when applying product, wear long-sleeved shirt, long pants, shoes, and socks. If skin irritation occurs, use natural rubber gloves, durable cloth or impervious rubber gloves if contact with product is possible.

General hygiene considerations:

Wash hands before breaks and immediately after handling the product

Re-entry Interval:

12 Hours.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid	Color:	Yellow
Bulk density:	39 lbs/cu ft	Flash point:	Not applicable
Appearance:	Granular	Density:	0.6 g/ml
pH:	6.0 - 6.5		

10. STABILITY AND REACTIVITY**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**Acute toxicity**

LD50/oral: >5 g/kg
LD50/dermal: >5 g/kg
LC50/inhalation: >200 mg/L , 4 hr
Eye effects: Irritating, but will not permanently injure eye tissue
Skin effects: Mild skin irritation
Sensitization: No sensitization

Chronic toxicity

Ingredients	NTP:	IARC:	OSHA:
Oxadiazon	Not listed	Not listed	Not listed
Pendimethalin [N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzeneamine]	Not listed	Not listed	Not listed
Other Ingredients	Not listed	Not listed	Not listed

Ingestion: Health injuries are not known or expected under normal use
Inhalation: Health injuries are not known or expected under normal use
Target organ effects: Irritation.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects: Toxicity to fish.
Persistence and degradability: Non-persistent.
Bioaccumulative potential: Inherently biodegradable.
Mobility: Water contaminating
Aquatic toxicity: Toxic to fish and other water organisms.
Additional ecological information: Do not apply directly to lakes, streams, or ponds. Do not contaminate water sources when disposing of equipment washwaters.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Contaminated product should be disposed of in an approved landfill disposal facility in accordance with applicable Federal/ Provincial, and/or local regulations.
Contaminated packaging: If empty, place in trash or offer for recycling if available. If partially filled, call your local solid waste agency for disposal instructions.

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

Ingredients	CAS-No	CERCLA/SARA 313	CERCLA/SARA 302
Oxadiazon	19666-30-9	Not Listed	Not Listed
Pendimethalin [N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzeneamine]	40487-42-1	Not Listed	Not Listed
Other Ingredients	No CAS#	Not Listed	Not Listed

General Information This product contains a chemical (oxadiazon) known to the State of California to cause cancer and birth defects, or other reproductive harm.

16. OTHER INFORMATION

16. OTHER INFORMATION**NFPA:** Health: 2 Flammability: 1 Reactivity: 0**HMIS:** Health: 2 Flammability: 1 Reactivity: 0**Hazard Rating:** 0=Least; 1-Slight; 2=Moderate; 3=High; 4=Severe

EPA FIFRA Comment: It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Use of this product is regulated by the U.S. Environmental Protection Agency (EPA) through the approved product label.

General comment: This document contains health, safety, and environmental information useful to emergency response agencies, health care providers, manufacturers, and workers/employees. It does not replace the precautionary language, use directions, or the storage and disposal information found on the product label.

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