



MATERIAL SAFETY DATA SHEET

Date stamp: 19-Apr-2012

MSDS Ref. No.: E95715

Revision Number: 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: OH2® Ornamental 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.: 58185-178
Product Number(s): E95715

2. HAZARDS IDENTIFICATION

Labelling

Signal word: CAUTION

Precautionary Statements

Causes eye irritation. Do not get in eyes, on skin, or clothing. Harmful if swallowed. Do not inhale. Wash with soap and water after handling. Keep out of reach of children.

Potential health effects

Eye contact: Irritating to eyes.

Skin contact: Irritating to skin.

Ingestion: Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Inhalation: Inhalation of aerosols may cause irritation to mucous membranes.

Aggravated Medical Conditions: Inhalation may aggravate asthma. Pre-existing dermatitis or sores.

Principle routes of exposure: Skin, Eyes, Inhalation

Target organ effects: Irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS-No	Weight %
Other Ingredients	No CAS#	97
Oxyfluorfen	42874-03-3	2
Pendimethalin [N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzeneamine]	40487-42-1	1

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.

Explosion potential: Dust clouds may be explosive.

5. FIRE-FIGHTING MEASURES

Hazardous combustion products:	Toxic fumes may be produced.
Fire fighting procedures:	Select appropriate method to surround and extinguish fire. Flood with water to cool containers.
Special protective equipment for firefighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear personal protective equipment
Environmental precautions:	Prevent product from entering drains
Methods for containment:	Use good housekeeping practices. Vacuum or sweep up material and place in a disposal container. Pick up wash liquid with absorbant material and place in container for disposal.
Methods for cleaning up:	Detergent and water.

7. HANDLING AND STORAGE

Handling: Avoid container breakage. Avoid inhalation or contact with skin, eyes, or clothing.

Storage: Store in original container in a safe place. Reseal opened bag by folding top down and securing. Avoid contamination of feed and foodstuffs.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Eye/face protection is not required, but is recommended in manufacturing situations where contact may occur. If contact is likely to occur, wear:. Safety glasses with side shields or goggles.

Skin and body protection:

Wear suitable protective clothing if contact is anticipated during manufacturing. Coveralls over long-sleeved shirt and long pants. Chemical resistant gloves. Chemical resistant footwear. Chemical resistant apron for mixers and loaders.

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.

General hygiene considerations:

Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use.

Re-entry Interval:

24 Hrs.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid **Solubility:** Partly soluble

10. STABILITY AND REACTIVITY

Chemically Stable:	Yes
Conditions to avoid	Extreme heat. Damp or wet conditions.
Materials to avoid:	Strong acids and oxidising agents.
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: >5.0 g/kg, rat

LD50/dermal: >2.0 g/kg, rabbit

Eye effects: Irritating to eyes
Skin effects: May cause skin irritation in susceptible persons
Sensitization: No sensitization, guinea pig

Chronic toxicity

Carcinogenic effects: The table below indicates whether each agency has listed any ingredient as a carcinogen .

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

Ingestion: Ingestion may cause irritation to mucous membranes.
Inhalation: May cause irritation of respiratory tract.
Target organ effects: Irritation.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects: No data is available on the product itself.
Persistence and degradability: Inherently biodegradable.
Bioaccumulative potential: Not determined.
Mobility: Water contaminating.
Aquatic toxicity: Toxic to fish and other water organisms.
Additional ecological information: Do not apply to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Dispose of in accordance with local regulations and national regulations. Do not place product down any indoor or outdoor drain.
Contaminated packaging: Do not re-use empty containers. If empty, place in trash or offer for recycling if available.

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

15. REGULATORY INFORMATION

Ingredients	CAS-No	CERCLA/SARA 313	CERCLA/SARA 302
Oxyfluorfen	42874-03-3	Not Listed	Not Listed
Pendimethalin [N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzeneamine]	40487-42-1	Not Listed	Not Listed

General Information Contact local authorities for disposal of large quantities of product

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

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.

Additional Information: This information contained herein is, to the best of Everris' knowledge and belief, accurate and reliable as of the date of preparation of this document. However, no warranty or guarantee, express or implied, is made as to the accuracy or reliability, and Everris shall not be liable for any loss or damage arising out of the use thereof. No authorization is given or implied to use any patented invention without a license. In addition, Everris shall not be liable for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.