



# Safety Data Sheet

Issue Date: no data available

Revision Date: 19-May-2015

Version: 1

## 1. IDENTIFICATION

**Product Identifier:**

**Product Name:** OH2® Ornamental Herbicide

**Product Number(s):** E95716

**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.: 58185-178

**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)

Serious Eye Damage or Eye Irritation	Category 2
Skin Sensitization	Category 1
Carcinogenicity:	Category 2

**Label Elements:**

### Emergency Overview

**Warning**

**Hazard Statements:**

Causes serious eye irritation  
May cause an allergic skin reaction  
Suspected of causing cancer



**Appearance:** Mini granules

**Physical State:** Solid

**Odor:**

Faint

**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Wash face, hands and any exposed skin thoroughly after handling  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Contaminated work clothing should not be allowed out of the workplace  
 Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention  
 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 - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards Not Otherwise Classified (HNOC):****Other Information:**

• Causes mild skin irritation

**Unknown Acute Toxicity:**

1% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients	CAS-No	Weight %	Trade Secret
Other Ingredients	No CAS#	92	*
Hexylene glycol	107-41-5	1-5	*
Oxyfluorfen	42874-03-3	2	*
Pendimethalin [N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzeneamine]	40487-42-1	1	*
AU-254	PROPRIETARY	1-3	*

\* 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:** Toxic fumes may be produced.

**Explosion Data:**

**Sensitivity to Mechanical Impact:**

no data available.

**Sensitivity to Static Discharge:**

no data available.

**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, 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:** Avoid dust formation. Sweep up material and place in disposal container.

**Methods for Cleanup:** If material is uncontaminated, collect and reuse as recommended for product. If material is contaminated, put in appropriate container and dispose.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling:**

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

**Conditions for Safe Storage, Including any Incompatibilities:**

**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

**Control Parameters:**

**Exposure Guidelines:**

Ingredients	CAS-No	ACGIH:	OSHA:	IDLH:
Other Ingredients	No CAS#	Not Listed	Not Listed	Not Listed
Hexylene glycol	107-41-5	Not Listed	Not Listed	Not Listed
Oxyfluorfen	42874-03-3	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
AU-254	PROPRIETARY	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. Wear face-shield and protective suit for abnormal processing problems.

**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 eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/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:**

<b>Physical State:</b>	Solid	<b>Appearance:</b>	Mini granules
<b>Color:</b>	Yellowish	<b>Odor:</b>	No information available
<b>Odor:</b>	Faint	<b>Threshold:</b>	

<u>Property</u>	<u>Values</u>	<u>Remarks: • Method</u>
<b>pH:</b>	No information available	
<b>Melting Point/Freezing Point:</b>	No information available	
<b>Boiling Point/Range:</b>	No information available	
<b>Flash Point:</b>	No information available	
<b>Evaporation Rate:</b>	No information available	
<b>Flammability (solid, gas):</b>	No information available	
<b>Flammability Limits in Air:</b>		
<b>Upper Flammability Limit:</b>	No information available	
<b>Lower Flammability Limit:</b>	No information available	
<b>Vapor Pressure:</b>	No information available	
<b>Vapor Density:</b>	No information available	
<b>Specific Gravity:</b>	No information available	
<b>Solubility:</b>	Partly soluble	
<b>Solubility in other Solvents:</b>	No information available	

<b>Partition Coefficient:</b>	No information available
<b>Autoignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available
<b>Kinematic Viscosity:</b>	No information available
<b>Dynamic Viscosity:</b>	No information available
<b>Explosive Properties:</b>	No information available
<b>Oxidizing Properties:</b>	Not considered an oxidizer

**Other Information:**

<b>Softening Point:</b>	No information available
<b>Molecular Weight:</b>	No information available
<b>VOC Content (%):</b>	No information available
<b>Density:</b>	No information available
<b>Bulk density:</b>	No information available

**10. STABILITY AND REACTIVITY**

<b>Reactivity:</b>	Stable under normal conditions
<b>Chemically Stable:</b>	yes.
<b>Conditions to Avoid:</b>	Take precautionary measures against static discharges. Extreme heat. Damp or wet conditions.
<b>Materials to avoid</b>	Strong acids and oxidizing agents.
<b>Hazardous Decomposition Products:</b>	Toxic fumes and gases may be generated.
<b>Possibility of Hazardous Reactions:</b>	Poses little or no immediate hazard.

**11. TOXICOLOGICAL INFORMATION****Information on the Likely Routes of Exposure (inhalation, ingestion, skin and eye contact):**

<b>Eye effects:</b>	Irritating to eyes
<b>Skin effects:</b>	May cause an allergic skin reaction
<b>Ingestion:</b>	Ingestion may cause irritation to mucous membranes.
<b>Inhalation:</b>	May cause irritation of respiratory tract.

**Component Information:**

Ingredients	LD50 Oral	LD50 Dermal	LC50 Inhalation
Hexylene glycol 107-41-5	= 3692 mg/kg ( Rat )	-	> 310 mg/m <sup>3</sup> ( Rat ) 1 h
Oxyfluorfen 42874-03-3	-	-	LC50 rat: >3.17mg/l
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:**

<b>Sensitization:</b>	No sensitization, Guinea pig
<b>Mutagenic effects</b>	No information available.
<b>Carcinogenicity:</b>	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
<b>Reproductive Toxicity</b>	No information available.
<b>STOT - Single Exposure</b>	No information available.
<b>STOT - Repeated Exposure</b>	No information available.
<b>Aspiration Hazard</b>	No information available.

**Numerical Measures of Toxicity - Product Information:**

<b>Unknown Acute Toxicity:</b>	1% of the mixture consists of ingredient(s) of unknown toxicity
<b>The following values are calculated based on chapter 3.1 of the GHS document: .</b>	
<b>ATEmix (oral):</b>	49121 mg/kg
<b>LD50/oral:</b>	> 5.0 g/kg Rat
<b>LD50/dermal:</b>	> 2.0 g/kg Rabbit

**12. ECOLOGICAL INFORMATION****Ecotoxicity:**

**Unknown Aquatic Toxicity:** 0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Ecotoxicity effects:** Toxic to aquatic life with long lasting effects.

**Persistence and degradability:** Inherently biodegradable.

Ingredients	LOGPOW
Hexylene glycol 107-41-5	<0.14
Oxyfluorfen 42874-03-3	4.7

**Mobility:** Water contaminating.

**Additional ecological information:** This pesticide is toxic to wildlife and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Use with care when applying in areas adjacent to any body of water. Runoff from treated areas may be hazardous to organisms in neighboring areas. See Directions for Use for additional restrictions. Apply this product only as specified on the label. Do not contaminate water when disposing of wash water. In case of spills, either collect for use or dispose of properly.

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods:**

**Disposal of Wastes:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**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

---

**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:**

<b>Acute health hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	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:****U.S. State Right-to-Know Regulations:****U.S. EPA Label information:****EPA Pesticide Registration Number:**

58185-178

**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. Causes eye injury. Do not get in eyes, on skin, or on clothing. Harmful if swallowed. Avoid inhalation.

---

**16. OTHER INFORMATION**

---

**NFPA:** Health: 2 Flammability: 1 Reactivity: 0

**HMIS:** Health: 2 Flammability: 1 Reactivity: 0

**Revision Date:** 19-May-2015

**Revision Note:**

**Reason for revision:** None

**Disclaimer**

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.

**End of Safety Data Sheet**