



# Safety Data Sheet

Revision Date 07-Oct-2019

Version: 1

## 1. IDENTIFICATION

**Product Identifier:**

**Product Name:** OH2® Ornamental Herbicide  
**Product Number(s):** G95716

**Description:** Herbicide

**Recommended Use of the Chemical and Restrictions on Use:**

Restricted to professional users

**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

## 2. HAZARD(S) IDENTIFICATION

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

Serious eye damage/eye irritation	Category 2
Skin Sensitization	Category 1
Carcinogenicity:	Category 2

**Label Elements:**

**Warning**

**Hazard Statements:**

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



**Appearance:** No information available

**Physical State:** Solid

**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):**

Not applied

**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**

Chemical Name	CAS No	Weight %	Trade Secret
Other ingredients (US)	No CAS#	90 - 100%	*
Hexylene glycol (US)	107-41-5	1 - 5%	*
Oxyfluorfen (US)	42874-03-3	1 - 5%	*
Pendimethalin [N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzene amine] (US)	40487-42-1	1 - 5%	*
AU-254 (US)	PROPRIETARY	1 - 5%	*

\* 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:**

Call a poison control center or doctor for treatment advice. Take off contaminated clothing. Immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Inhalation**

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a POISON CENTER or doctor.

**Ingestion:**

Call a physician or Poison Control Centre immediately. Do not induce vomiting without medical advice. Never 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:**

Carbon dioxide (CO2). Dry chemical. Water spray. Chemical foam.

<b>Unsuitable Extinguishing Media:</b>	High volume water jet.
<b>Specific hazards:</b>	No information available.
<b>Hazardous Combustion Products:</b>	Toxic fumes may be produced.
<b>Explosion Data:</b>	
<b>Sensitivity to Mechanical Impact:</b>	no data available.
<b>Sensitivity to Static Discharge:</b>	no data available.
<b>Special Protective Equipment for Firefighters:</b>	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 Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA:	ACGIH:	IDLH:
Hexylene glycol (US) 107-41-5	-	-	25 ppm TWA	-

**Appropriate Engineering Controls:**

**Engineering Controls** Ensure adequate ventilation, especially in confined areas. Eyewash. Showers.

**Individual Protection Measures, Such as Personal Protective Equipment:**

**Eye/face Protection** Wear safety glasses with side shields (or goggles).

<b>Hand Protection</b>	Neoprene gloves.
<b>Skin and body protection</b>	Lightweight protective clothing.
<b>Respiratory protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties:

<b>Physical State:</b>	Solid
<b>Color:</b>	Yellowish
<b>Appearance:</b>	Mini granules
<b>Odor:</b>	Faint

<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>		
<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>Vapour density</b>	No information available	
<b>Relative density</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><u>Reactivity:</u></b>	Stable under normal conditions
<b><u>Chemically Stable:</u></b>	Stable under recommended storage conditions.
<b><u>Conditions to Avoid:</u></b>	Protect from extremes of temperature.
<b><u>Materials to avoid</u></b>	Strong acids and oxidizing agents.

**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):**

**Product Information**

**Inhalation** Specific test data for the substance or mixture is not available.  
**Eye contact** Specific test data for the substance or mixture is not available.  
**Skin Contact** Specific test data for the substance or mixture is not available.  
**Ingestion** Specific test data for the substance or mixture is not available.

**Information on Toxicological Effects**

**Symptoms** No information available.

**Numerical Measures of Toxicity**

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

**Oral LD50** 49,121.00 mg/kg

**Unknown Acute Toxicity:** 1% of the mixture consists of ingredient(s) of unknown toxicity

**LD50/oral:** > 5.0 g/kg Rat  
**LD50/dermal:** > 2.0 g/kg Rabbit

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Hexylene glycol (US) 107-41-5	= 3700 mg/kg ( Rat )	= 12300 mg/kg ( Rabbit ) = 8560 µL/kg ( Rabbit )	> 310 mg/m <sup>3</sup> ( Rat ) 1 h
Oxyfluorfen (US) 42874-03-3	= 5 g/kg ( Rat )	> 10 g/kg ( Rabbit )	LC50 rat: >3.17mg/l
Pendimethalin [N-(1-ethylpropyl)-3,4-dimethyl- 2,6-dinitrobenzeneamine] (US) 40487-42-1	= 1050 mg/kg ( Rat )	= 2260 mg/kg ( Rabbit ) > 5000 mg/kg ( Rabbit )	= 320 mg/L ( Rat ) 4 h

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

**Skin corrosion/irritation** No information available.  
**Serious eye damage/eye irritation** No information available.  
**Respiratory or skin sensitization** No information available.  
**Germ Cell Mutagenicity** 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.

**12. ECOLOGICAL INFORMATION**

The environmental impact of this product has not been fully investigated.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Hexylene glycol (US) 107-41-5	-	10500 - 11000: 96 h Pimephales promelas mg/L LC50 flow-through 10000: 96 h Lepomis macrochirus mg/L LC50 static 8690: 96 h Pimephales promelas mg/L LC50 flow-through 10700: 96 h Pimephales promelas mg/L LC50 static	-	2700 - 3700: 48 h Daphnia magna mg/L EC50
Oxyfluorfen (US) 42874-03-3	-	0.41: 96 h Oncorhynchus mykiss mg/L LC50 0.2: 96 h Lepomis macrochirus mg/L LC50	-	-
Pendimethalin [N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzeneamine] (US) 40487-42-1	-	0.00019: 96 h Pimephales promelas mg/L LC50 flow-through 0.14: 96 h Oncorhynchus mykiss mg/L LC50 0.2: 96 h Lepomis macrochirus mg/L LC50	-	-

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

Chemical Name	LOGPOW
Hexylene glycol (US) 107-41-5	0.14
Oxyfluorfen (US) 42874-03-3	4.7

**Mobility:** Water contaminating.

**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 regulated
DOT (AIR)	Not regulated
DOT (Vessel)	Not regulated
IATA (Air)	Not regulated
IMO/IMDG (Vessel)	Not 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.

#### **California Proposition 65:**

This product does not contain any Proposition 65 chemicals.

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

State Regulations (RTK): No information available

#### **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

**Prepared by**

**Revision Date**

**Reason for revision**

**Disclaimer**

Regulatory Affairs Department

07-Oct-2019

\*\*\* Indicates changes since the last revision. This version replaces all previous versions

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**End of Safety Data Sheet**