

# MATERIAL SAFETY DATA SHEET

**Date-Issued:** 01/31/2003  
**MSDS Ref. No:** 95715  
**Date-Revised:** 01/31/2003  
**Revision No:** New MSDS

Scotts® OH2™ Ornamental Herbicide

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Scotts® OH2™ Ornamental Herbicide  
**PRODUCT DESCRIPTION:** Herbicide

### MANUFACTURER

The Scotts Company  
Earthgro-Hyponex-Miracle Gro  
Scotts-Scotts Lawn Service-Scotts Sierra-  
Swiss Farms  
14111 Scottslawn Road  
Marysville, OH 43041

**EPA REG. NO.:** 538-172 **PN:** 95715

### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEMTREC (U.S.):** (800) 424-9300  
**International:** 1-703-527-3887  
**Emergency Phone:** 1-937-644-0011

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Oxyfluorfen	42874-03-3	None	None
N-(1-Ethylpropyl)-3,4-dimethyl-2, 6-dinitrobenzenamine (Pendimethalin)	40487-42-1	None	None

**COMMENTS:** The ACGIH Threshold Limit Values (TLV) for nuisance (inert) dusts containing < 1% crystalline silica and no asbestos are: 10 mg/m<sup>3</sup> inhalable particulates and 3 mg/m<sup>3</sup> respirable particulate. The OSHA TLV is 15 mg/m<sup>3</sup> total dust, 5 mg/m<sup>3</sup> respirable fraction. Material exposure limits are for airborne 8-hour time-weighted averages and apply only to occupational exposures.

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS:** - CAUTION

- Avoid contact with eyes, skin, or clothing.
- Causes eye irritation.
- Harmful if swallowed.
- Avoid inhalation of dust.
- KEEP OUT OF REACH OF CHILDREN.

### POTENTIAL HEALTH EFFECTS

**EYES:** Causes eye irritation.

**SKIN:** Slightly irritating.

**INGESTION:** Possible nausea, vomiting, diarrhea.

**INHALATION:** Inhalation of dust may irritate nose, throat, and lungs.

**CHRONIC:** No known chronic effects.

**MEDICAL CONDITIONS AGGRAVATED:** Skin abrasions, sores, or other pre-existing skin conditions. Inhalation of dust may aggravate asthma.

**ROUTES OF ENTRY:** Ingestion, skin, inhalation.

## 4. FIRST AID MEASURES

**EYES:** If in eyes, 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. Call a poison control center or doctor for treatment advice.

**SKIN:** If on skin or clothing, 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:** If swallowed, 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 by the 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 mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**COMMENTS:** See product label for specific First Aid Measures. The above measures are the most conservative - Pesticide Registration (PR) Notice 2000-3 - April 11, 2000 - and apply in the event a product label is not immediately available.

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## 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Water, water fog, dry chemical or CO<sub>2</sub>. Contain run-off.

**FIRE FIGHTING PROCEDURES:** Wear self-contained breathing apparatus.

**AUTOIGNITION TEMPERATURE:** Not Applicable

**FLASHPOINT:** Not Applicable

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon, nitrogen, and sulfur.

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## 6. ACCIDENTAL RELEASE MEASURES

**GENERAL PROCEDURES:** Use good housekeeping practices. Sweep up spills. As a general practice, avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove to approved landfill. See label for specific disposal procedures.

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## 7. HANDLING AND STORAGE

**HANDLING:** See label. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing 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. Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours. **KEEP OUT OF REACH OF CHILDREN.**

**STORAGE:** Store in a clean, dry place. Reseal opened bag by folding top down and securing. Do not contaminate water, food or feed by storage or disposal.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** When engineering controls are mandated by use conditions or a potential for exposure exists, minimize exposure to employees with general area dilution or exhaust ventilation.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear goggles, face shield, or safety glasses.

**SKIN:** Applicators must wear long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks.

**RESPIRATORY:** Use dust/mist filtering respirator (MSHA/NIOSH, approval number prefix TC-21).

**PROTECTIVE CLOTHING:** Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash personal protective equipment separately from other laundry.

**WORK HYGIENIC PRACTICES:** Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing 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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Granular

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## 10. STABILITY AND REACTIVITY

**STABLE:** YES

**HAZARDOUS POLYMERIZATION:** NO

**CONDITIONS TO AVOID:** Extreme heat, protect from moisture.

**POLYMERIZATION:** Will not occur

**INCOMPATIBLE MATERIALS:** Avoid contact with strong oxidizing agents.

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## 11. TOXICOLOGICAL INFORMATION

### ACUTE

**DERMAL LD<sub>50</sub>:** >2000 mg/kg (rabbit).

**ORAL LD<sub>50</sub>:** >5000 mg/kg (rat).

### CARCINOGENICITY:

**CARCINOGENICITY COMMENTS:** IARC: No; NTP: No; OSHA: No

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## 12. ECOLOGICAL INFORMATION

**GENERAL COMMENTS:** This product is toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters. In case of spills, either collect for use or dispose of properly.

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## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Read and follow label instructions. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**EMPTY CONTAINER:** Completely empty bags into application equipment. Then dispose of empty bags in sanitary landfill or by incineration or, if allowed by State and local authorities, by burning. If burned, stay out of the smoke.

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## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Not DOT regulated.

**SPECIAL SHIPPING NOTES:** The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

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## 15. REGULATORY INFORMATION

**GENERAL COMMENTS:** Contact local authorities for proper disposal of large quantities of unused product.

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## 16. OTHER INFORMATION

**REVISION SUMMARY** New MSDS

### NFPA CODES

**HEALTH: 2 FIRE: 1 REACTIVITY: 0**

**MANUFACTURER DISCLAIMER:** The information contained herein is, to the best of the Manufacturer's (see Section 1) 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 the Manufacturer 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, the Manufacturer 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.

**ADDITIONAL MSDS INFORMATION:** NFPA Hazard Rating: 0=Least; 1=Slight; 2=Moderate; 3=High; 4=Severe.

**GENERAL STATEMENTS:** 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.

**COMMENTS:** 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.