



# MATERIAL SAFETY DATA SHEET

Date stamp: 27-Dec-2006

MSDS Ref. No.: 043561035

Revision Number: 0

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: ORTHO® GroundClear® Vegetation Killer Ready-To-Use  
Description: Herbicide

Company  
The Scotts Company  
14111 Scottslawn Road  
Marysville, OH 43041

24-HOUR EMERGENCY TELEPHONE NUMBERS:  
CHEMTREC (U.S.): 1-800-424-9300  
CHEMTREC (International): 1-703-527-3887  
Non-Emergency Calls: 1-937-644-0011

EPA Registration No.: 239-2686  
Formula No.: S10895

## 2. HAZARDS IDENTIFICATION

### Labelling

Signal word:

CAUTION

### Precautionary Statement

Causes moderate eye irritation. Avoid contact with eyes, skin, and clothing. Wash thoroughly with soap and water after handling and before eating or smoking. Keep out of reach of children.

### Potential health effects

Eye contact:

Moderately irritating to the eyes.

Skin contact:

Substance may cause slight skin irritation.

Ingestion:

Considered practically non-toxic. Possible gastrointestinal tract irritation.

Inhalation:

Considered practically non-toxic. Inhalation of aerosols may cause irritation to mucous membranes.

Aggravated Medical Conditions:

Inhalation may aggravate asthma.

Principle routes of exposure:

Skin, Eyes, Inhalation

Target organ effects:

Irritation.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No	Weight %
Glyphosate	1071-83-6	1
Imazapyr, Isopropylamine Salt	81510-83-0	0.016
Inert Ingredients	PROPRIETARY	98.984

## 4. FIRST AID MEASURES

Eye contact:

Hold eye open and rins 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:

Will not burn under fire conditions.

Suitable extinguishing media:

Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam.

Explosion potential:

None.

Hazardous combustion products:

Toxic fumes may be produced.

Fire fighting procedures:

Select appropriate method to surround and extinguish fire.

**5. FIRE-FIGHTING MEASURES**

**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:** Control spill with dykes and absorb with inert absorbant material  
**Methods for cleaning up:** Detergent and water.

**7. HANDLING AND STORAGE**

**Handling:** Avoid container breakage. Do not contaminate water sources when disposing of equipment wash waters.

**Storage:** Store in original container in a safe place. Store in a cool, dry area away from incompatible materials and heat sources. Avoid contamination of feed and foodstuffs. Protect from freezing.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Components	ACGIH:	OSHA:
Glyphosate	Not Listed	Not Listed
Imazapyr, Isopropylamine Salt	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. Safety glasses with side shields or goggles.  
**Skin and body protection:** Wear suitable protective clothing if contact is anticipated during manufacturing. Chemical resistant gloves.  
**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  
**Re-entry Interval:** When dry.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State:</b>	Liquid	<b>Color:</b>	White
<b>Odor:</b>	None	<b>pH:</b>	7.57
<b>Solubility:</b>	Water solubility, Miscible	<b>Specific gravity:</b>	1.005
<b>Viscosity:</b>	1.256 CPS	<b>Flash point:</b>	>220° F

**10. STABILITY AND REACTIVITY**

**Chemically Stable:** Yes  
**Conditions to avoid:** Extreme heat. Do not freeze.  
**Materials to avoid:** None known.  
**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:** >5.0 g/kg, rat  
**LC50/inhalation:** >>2.4 (vapor), mg/L, rat  
**Eye effects:** Mild eye irritation, rabbit  
**Skin effects:** Slight irritation, rabbit

**Chronic toxicity**

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

Components	NTP:	IARC:	OSHA:
Glyphosate	Not listed	Not listed	Not listed
Imazapyr, Isopropylamine Salt	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 available.

**Persistence and degradability:** Inherently biodegradable.

**Bioaccumulative potential:** Not determined.

**Mobility:** Water contaminating.

**Aquatic toxicity:** No information available.

**Additional ecological information:** 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. Do not place product down any indoor or outdoor drain.

**Contaminated packaging:** 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**

**Proper shipping name:** Not DOT regulated

**15. REGULATORY INFORMATION**

Components	CAS-No	CERCLA/SARA 313	CERCLA/SARA 302
Glyphosate	1071-83-6	Not Listed	Not Listed
Imazapyr, Isopropylamine Salt	81510-83-0	Not Listed	Not Listed

**General Information**

Contact local authorities for disposal of large quantities of product

**16. OTHER INFORMATION**

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

**HMIS:** Health: 1 Flammability: 0 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.

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