



# MATERIAL SAFETY DATA SHEET

Date stamp: 29-May-2007

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Revision Number: 0

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Scotts® LawnPro® Step™2 Weed Control Plus Fertilizer, 29-2-3  
**Description:** Fertilizer plus Herbicide

**Company**  
The Scotts Company LLC  
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.:** 538-175  
**Formula No.:** S13103

## 2. HAZARDS IDENTIFICATION

### Labelling

**Signal word:** CAUTION

### Precautionary Statements

Causes eye irritation. Avoid contact with eyes, skin, and clothing. May be harmful if swallowed. Avoid breathing dust. Keep away from children.

### Potential health effects

**Eye contact:** Irritating to eyes.  
**Skin contact:** May cause skin irritation in susceptible persons.  
**Ingestion:** Possible gastrointestinal tract irritation.  
**Inhalation:** May cause irritation of respiratory tract.

**Aggravated Medical Conditions:** Inhalation of dust may aggravate asthma.  
**Principle routes of exposure:** Skin, Inhalation, Ingestion, Eyes  
**Target organ effects:** Irritation.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No	Weight %
2,4-Dichlorophenoxyacetic acid (2,4-D)	94-75-7	1.25
(R)-2-(4-Chloro-2-methylphenoxy)propionic acid (Mecoprop-p)	16484-77-8	0.62
Dicamba	1918-00-9	0.05
Urea	57-13-6	30-60
Ammoniumsulphate, (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	7783-20-2	15-40
Potassium sulphate, K <sub>2</sub> SO <sub>4</sub>	7778-80-5	3-7
mono ammoniumphosphate, M.A.P.	7722-76-1	3-7

## 4. FIRST AID MEASURES

**Eye contact:** 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 contact:** 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:** Call a physician or Poison Control Centre immediately. Have person sip a glass of water if able to swallow. Do not induce vomiting without medical advice. Never 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.

## 5. FIRE-FIGHTING MEASURES

**Flammable properties:** Decomposes on heating.  
**Suitable extinguishing media:** Water spray. dry chemical. foam. Carbon dioxide (CO<sub>2</sub>).

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**5. FIRE-FIGHTING MEASURES**

**Explosion potential:** Dust at sufficient concentrations may form explosive mixtures with air.  
**Hazardous combustion products:** Combustion can produce toxic fumes and irritating gases.  
**Fire fighting procedures:** Select appropriate method to surround and extinguish fire  
**Special protective equipment for firefighters:** In the event of fire, wear self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Avoid contact with skin, eyes and clothing.  
**Environmental precautions:** Do not let product enter drains.  
**Methods for containment:** Use good housekeeping practices. Clean up promptly by sweeping or vacuum.  
**Methods for cleaning up:** 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**

**Handling:** Avoid container breakage. Avoid inhalation or contact with skin, eyes, or clothing. Do not contaminate water sources when disposing of equipment wash waters. Keep out of lakes, streams or ponds. Keep out of reach of children and pets.

**Storage:** Keep containers tightly closed in a cool, well-ventilated place

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Components	ACGIH:	OSHA:
(R)-2-(4-Chloro-2-methylphenoxy)propionic acid (Mecoprop-p)	Not Listed	Not Listed
2,4-Dichlorophenoxyacetic acid (2,4-D)	10 mg/m <sup>3</sup> TWA	10 mg/m <sup>3</sup> TWA
Dicamba	Not Listed	Not Listed
Urea	Not Listed	Not Listed
Potassium sulphate, K <sub>2</sub> SO <sub>4</sub>	Not Listed	Not Listed
Ammoniumsulphate, (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	Not Listed	Not Listed
mono ammoniumphosphate, M.A.P.	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:** Protective eye wear is normally not required but suggested so contact can be avoided.  
**Skin and body protection:** No special protective clothing is required under normal workplace conditions. To reduce exposure potential when applying product, wear long-sleeved shirt, long pants, shoes, and socks. After using product, remove clothing and wash before reuse.  
**Respiratory protection:** No special protective equipment required.

**General hygiene considerations:** Wash hands before breaks and immediately after handling the product

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State:** Solid  
**Color:** Tan, Brown, White  
**Bulk density:** 40-45 lbs/cu ft  
**Appearance:** Granular  
**Odor:** Phenoxy

**10. STABILITY AND REACTIVITY**

**Chemically Stable:** Yes.  
**Conditions to avoid:** Extreme heat. Contact with strong alkalis, oxidizers, and reducing agents. Contact with fuels and other organic or combustible materials. Active metals such as aluminum, magnesium, and chlorine compounds.  
**Materials to avoid:** Strong acids, bases, oxidizers, and reducing agents.  
**Hazardous decomposition products:** Combustion may produce irritating gases and vapors. Toxic metal oxides may be produced.  
**Possibility of hazardous reactions:** Poses little or no immediate hazard.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

**LD50/oral:** >5000 mg/kg, rat  
**LD50/dermal:** >2000 mg/kg, rabbit  
**LC50/inhalation:** No information available  
**Eye effects:** Moderate eye irritation, rabbit  
**Skin effects:** Slight irritation, rabbit  
**Sensitization:** No information available

**Chronic toxicity**

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

Components	NTP:	IARC:	OSHA:
(R)-2-(4-Chloro-2-methylphenoxy)propionic acid (Mecoprop-p)	Not listed	2B	Listed
2,4-Dichlorophenoxyacetic acid (2,4-D)	Not listed	2B	Listed
Dicamba	Not listed	Not listed	Not listed
Urea	Not listed	Not listed	Not listed
Potassium sulphate, K <sub>2</sub> SO <sub>4</sub>	Not listed	Not listed	Not listed
Ammoniumsulphate, (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	Not listed	Not listed	Not listed
mono ammoniumphosphate, M.A.P.	Not listed	Not listed	Not listed

**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea .  
**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:** Does not bioaccumulate.  
**Mobility:** Water contaminating.  
**Aquatic toxicity:** No information available.  
**Additional ecological information:** Do not contaminate water sources when disposing of equipment washwaters.

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Methods:** If empty, do not reuse container. If partially filled, call the local solid waste agency for disposal instructions. Do not place product down any indoor or outdoor drain.

**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**

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Components	CAS-No	CERCLA/SARA 313	CERCLA/SARA 302
(R)-2-(4-Chloro-2-methylphenoxy)propionic acid (Mecoprop-p)	16484-77-8	Not Listed	Not Listed
2,4-Dichlorophenoxyacetic acid (2,4-D)	94-75-7	100 lb final RQ 45.4 kg final RQ	Not Listed
Dicamba	1918-00-9	1000 lb final RQ 454 kg final RQ	Not Listed
Urea	57-13-6	Not Listed	Not Listed
Potassium sulphate, K <sub>2</sub> SO <sub>4</sub>	7778-80-5	Not Listed	Not Listed
Ammoniumsulphate, (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	7783-20-2	Not Listed	Not Listed
mono ammoniumphosphate, M.A.P.	7722-76-1	Not Listed	Not Listed

**General Information**

Contact local authorities for disposal of large quantities of product.

**16. OTHER INFORMATION**

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

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

**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 Scott's 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 Scotts 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, Scotts 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.