



MATERIAL SAFETY DATA SHEET

Date stamp: 03-Oct-2006

MSDS Ref. No.: 98420

Revision Number: 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Scotts® Topdress Fertilizer, 17-3-6, Canadian
Description: Controlled Release Fertilizer

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

Formula No.: S11466

2. HAZARDS IDENTIFICATION

Classification

WHMIS hazard class: D2B

Labelling

Signal word: CAUTION

Precautionary Statement

Do not ingest. Do not inhale. Keep out of reach of children.

Potential health effects

Eye contact: Contact with eyes may cause irritation.

Skin contact: Irritation not expected.

Ingestion: Considered practically non-toxic. Possible gastrointestinal tract irritation.

Inhalation: May cause irritation of respiratory tract.

Aggravated Medical Conditions: Inhalation may aggravate asthma.

Principle routes of exposure: Skin. Inhalation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No	Weight %
Urea	57-13-6	15-40
Sulphur, S	7704-34-9	10-30
Ammonium Phosphate	7722-76-1	5-10
Potassium Magnesium Sulfate, K ₂ SO ₄ -2MgSO ₄	14977-37-8	1-5
Ferrous Oxide	1345-25-1	0.5-1.5

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: Decomposes on heating.

Suitable extinguishing media: Water spray, carbon dioxide, dry chemical, chemical foam

Explosion potential: Dust clouds may be explosive.

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5. FIRE-FIGHTING MEASURES

Explosive properties:	No information available.
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:	Wear personal protective equipment
Environmental precautions:	Prevent product from entering 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.

7. HANDLING AND STORAGE

Handling: Avoid container breakage

Storage: Keep containers tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components	ACGIH:	OSHA:
Urea	Not Listed	Not Listed
Ammonium Phosphate	Not Listed	Not Listed
Potassium Magnesium Sulfate, K ₂ SO ₄ -2MgSO ₄	Not Listed	Not Listed
Ferrous Oxide	Not Listed	Not Listed
Sulphur, S	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.
Skin and body protection:	Wear suitable protective clothing if contact is anticipated during manufacturing. impervious 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

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid	Appearance: Granular
Odor: Fertilizer	Flash point: Not applicable

10. STABILITY AND REACTIVITY

Chemically Stable:	Yes
Conditions to avoid:	Damp or wet conditions. Extreme heat.
Materials to avoid:	Oxidizing agents. Metals. Bases.
Hazardous decomposition products:	Toxic fumes and gases may be generated. Metal oxides possible.
Possibility of hazardous reactions:	Poses little or no immediate hazard.

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Eye effects: Contact with eyes may cause irritation.
Skin effects: May cause skin irritation and/or dermatitis.

Component information

Components	LD50 Oral	LD50 Dermal	LC50 Inhalation
Urea	8471 mg/kg Rat	8200 mg/kg Rat	No information available
Sulphur, S	3000 mg/kg Rat	2000 mg/kg Rabbit	6.23 mg/L Rat 4 h
Ammonium Phosphate	5750 mg/kg Rat	7940 mg/kg Rabbit	No information available
Potassium Magnesium Sulfate, K ₂ SO ₄ -2MgSO ₄	No information available	No information available	No information available
Ferrous Oxide	No information available	No information available	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:
Urea	Not listed	Not listed	Not listed
Ammonium Phosphate	Not listed	Not listed	Not listed
Potassium Magnesium Sulfate, K ₂ SO ₄ -2MgSO ₄	Not listed	Not listed	Not listed
Ferrous Oxide	Not listed	Not listed	Not listed
Sulphur, S	Not listed	Not listed	Not listed

General Information**Ingestion:**

Very low toxicity for humans and animals.

Inhalation:

Health injuries are not known or expected under normal use

Sensitization:

Health injuries are not known or expected under normal use

None

12. ECOLOGICAL INFORMATION**Ecotoxicity effects:**

No data is available on the product itself.

Persistence and degradability:

Inherently biodegradable. Non-persistent.

Bioaccumulative potential:

No information available.

Mobility:

Water contaminating.

Aquatic toxicity:

May be beneficial to plant life.

Additional ecological information:

Do not apply directly to lakes, streams, or ponds.

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

Apply as fertilizer to field. Dispose of in accordance with local regulations and national regulations.

Contaminated packaging:

Do not re-use empty containers. If empty, place in trash or offer for recycling if available.

14. TRANSPORT INFORMATION**DOT****Proper shipping name:**

Not DOT regulated.

TDG**Proper shipping name:**

Not regulated.

15. REGULATORY INFORMATION

Components	CAS-No	CERCLA/SARA 313	CERCLA/SARA 302
Urea	57-13-6	Not Listed	Not Listed
Ammonium Phosphate	7722-76-1	Not Listed	Not Listed
Potassium Magnesium Sulfate, K ₂ SO ₄ -2MgSO ₄	14977-37-8	Not Listed	Not Listed
Ferrous Oxide	1345-25-1	Not Listed	Not Listed
Sulphur, S	7704-34-9	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

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.

Prepared by: Regulatory Affairs Department.

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