



# MATERIAL SAFETY DATA SHEET

Date stamp: 25-Mar-2011

MSDS Ref. No.: 615650K

Revision Number: 0

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Scotts® Turf Builder® (North), 32-0-4  
**Description:** Fertilizer

**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

**Formula No.:** S15650

## 2. HAZARDS IDENTIFICATION

### Labelling

**Signal word:**

CAUTION

### Precautionary Statements

May cause eye irritation. Keep out of reach of children.

### Potential health effects

**Eye contact:**

Contact with eyes may cause irritation.

**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 %
Urea	57-13-6	60-100
Ammonium sulphate, (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	7783-20-2	10-30
Potassium sulphate, K <sub>2</sub> SO <sub>4</sub>	7778-80-5	5-10
Sulphur, S	7704-34-9	7-13
Iron Sucrate	8047-67-4	1-5

## 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>).

**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

**5. FIRE-FIGHTING MEASURES**

**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:** Prevent product from entering drains.  
**Methods for containment:** Vacuum or sweep up material and place in a disposal container.  
**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.

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

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Components	ACGIH:	OSHA:
Iron Sucrate	Not Listed	Not Listed
Urea	Not Listed	Not Listed
Potassium sulphate, K <sub>2</sub> SO <sub>4</sub>	Not Listed	Not Listed
Ammonium sulphate, (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	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:** No special protective clothing is required under normal workplace conditions. If skin irritation occurs, use natural rubber gloves, durable cloth or impervious rubber gloves if contact with product is possible.

**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:** After product has been watered in and foliage is dry.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State:</b> Solid	<b>Color:</b> Tan, Blue, Yellow, White
<b>Bulk density:</b> 40-55 lbs/cu ft	<b>Appearance:</b> Granular
<b>Odor:</b> Fertilizer	<b>Solubility:</b> Slightly soluble

**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**

**Eye effects:** Contact with eyes may cause irritation  
**Skin effects:** May cause skin irritation in susceptible persons

**Chronic toxicity**

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

Components	NTP:	IARC:	OSHA:
Iron Sucrate	Not listed	3	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
Ammonium sulphate, (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	Not listed	Not listed	Not listed
Sulphur, S	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:** May be beneficial to plant life.  
**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. Dispose of in accordance with local regulations. 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 (Land)** Not DOT regulated  
**DOT (AIR)** Not DOT regulated  
**DOT (Vessel)** Not DOT regulated

**15. REGULATORY INFORMATION**

Components	CAS-No	CERCLA/SARA 313	CERCLA/SARA 302
Iron Sucrate	8047-67-4	Not Listed	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
Ammonium sulphate, (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	7783-20-2	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: 1

**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.

**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.