



# Material Safety Data Sheet

United States

The Scotts Company  
14111 Scottslawn Road  
Marysville, Ohio 43041  
United States

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

## SCOTTS MOSS CONTROL GRANULES FOR LAWNS

### 1. Product and company identification

EPA Registration Number: : 538-223  
Formulation Number : S17173  
MSDS # : 320000005794

### 2. Hazards identification

Physical state : solid [Granular]  
  
OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
  
Emergency overview : CAUTION!  
Harmful if swallowed. Harmful if inhaled. Harmful if absorbed through the skin. Avoid contact with skin, eyes or clothing. Causes moderate eye irritation. Avoid breathing dust. Wash thoroughly after handling.

#### Potential chronic health effects

Chronic effects : Contains material that can cause target organ damage.  
Carcinogenicity : No known significant effects or critical hazards.  
Mutagenicity : No known significant effects or critical hazards.  
Teratogenicity : No known significant effects or critical hazards.  
Developmental effects : No known significant effects or critical hazards.  
Fertility effects : No known significant effects or critical hazards.  
Target organs : Contains material which causes damage to the following organs:  
upper respiratory tract  
skin  
eyes

#### Over-exposure signs/symptoms

Medical conditions aggravated by over-exposure : Pre-existing skin disorders may be aggravated by over-exposure to this product.  
Interactions with other Chemicals : Not available.

See toxicological information (Section 11)

### 3. Composition/information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>%</u>
Sulfuric acid, calcium salt (1:1)	7778-18-9	70 - 100

#### 4. First aid measures

<b>Eye contact</b>	:	Hold eye open and rinse slowly and gently with water for 15 to 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.
<b>Skin contact</b>	:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
<b>Inhalation</b>	:	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.
<b>Ingestion</b>	:	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. Never give anything by mouth to an unconscious person.
<b>Protection of first-aiders</b>	:	No action shall be taken involving any personal risk or without suitable training.
<b>Notes to physician</b>	:	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

#### 5. Fire-fighting measures

<b>Flammability of the product</b>	:	No specific fire or explosion hazard.
<b><u>Extinguishing media</u></b>		
<b>Suitable</b>	:	Use an extinguishing agent suitable for the surrounding fire.
<b>Not suitable</b>	:	None known.
<b>Special exposure hazards</b>	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
<b>Hazardous thermal decomposition products</b>	:	No specific data.
<b>Special protective equipment for fire-fighters</b>	:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

#### 6. Accidental release measures

<b>Personal precautions</b>	:	Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment (see Section 8).
<b>Environmental precautions</b>	:	To protect the environment, do not allow pesticide to enter or run-off into storm drains, drainage ditches gutters or surface waters
<b>Methods for cleaning up</b>	:	Vacuum or sweep up material and place in container for disposal. Never place down drain.

#### 7. Handling and storage

<b>Handling</b>	:	Avoid inhalation or contact with skin, eyes or clothing. Avoid container breakage. Do not contaminate water sources when disposing of equipment washwater or rinsate. Keep out of lakes, stream or ponds. Keep out of reach of children.
<b>Storage</b>	:	Store in original container in a cool, dry, well-ventilated area inaccessible to children and pets. Do not contaminate food or feedstuffs.

#### 8. Exposure controls/personal protection

**Product name**

Sulfuric acid, calcium salt (1:1)

**Exposure limits**

**OSHA PEL 1989 (1989-03-01)** PEL: Permissible Exposure Level 15 mg/m3 Form: Total dust

**OSHA PEL 1989 (1989-03-01)** PEL: Permissible Exposure Level 5 mg/m3 Form: Respirable fraction

**OSHA PEL (1993-06-30)** PEL: Permissible Exposure Level 15 mg/m3 Form: Total dust

**OSHA PEL (1993-06-30)** PEL: Permissible Exposure Level 5 mg/m3 Form: Respirable fraction

**NIOSH REL (1994-06-01)** Time Weighted Average (TWA) 10 mg/m3 Form: Total

**NIOSH REL (1994-06-01)** Time Weighted Average (TWA) 5 mg/m3 Form: Respirable fraction

**Consult local authorities for acceptable exposure limits.**

**Engineering measures** : Use adequate ventilation to keep the airborne concentrations below the recommended exposure standard.

**Hygiene measures** : Wash thoroughly with soap and water after handling. Remove and launder contaminated clothing before reuse.

**Personal protection**

**Respiratory** : No special respiratory protection required. If ventilation is inadequate to keep the airborne concentrations below the recommended exposure standard wear appropriate respiration protection.

**Hands** :

**Eyes** : Protective eyewear is not required, but may be used in situations where contact is expected.

**Skin** : Wear long-sleeved shirt, long pants, shoes with socks. Remove and wash contaminated clothing before reuse.

**9. Physical and chemical properties**

<b>Physical state</b>	:	solid [Granular]
<b>Color</b>	:	Not available.
<b>Flash point</b>	:	Not available.
<b>Auto-ignition temperature</b>	:	Not available.
<b>Odor</b>	:	Not available.
<b>Odor threshold</b>	:	Not available.
<b>pH</b>	:	Not available.
<b>Boiling/condensation point</b>	:	Not available.
<b>Melting/freezing point</b>	:	Not available.
<b>Critical temperature</b>	:	Not available.
<b>Density</b>	:	65 LBF
<b>Vapor pressure</b>	:	Not available.
<b>Vapor density</b>	:	Not available.
<b>Evaporation rate</b>	:	Not available.
<b>Viscosity</b>	:	Not available.
<b>Solubility</b>	:	Not available.
<b>Partition Coefficient (n-octanol)</b>	:	Not available.
<b>Decomposition temperature</b>	:	Not available.

**10. Stability and reactivity**

<b>Chemical stability</b>	:	The product is stable.
<b>Conditions to avoid</b>	:	No specific data.
<b>Materials to avoid</b>	:	No specific data.
<b>Hazardous decomposition products</b>	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
<b>Possibility of hazardous</b>	:	Under normal conditions of storage and use, hazardous reactions will

reactions not occur.

## 11. Toxicological information

### Acute toxicity

Conclusion/Summary No known significant effects or critical hazards.

### Irritation/Corrosion

Skin Not available  
Eyes Moderate  
Respiratory Not available

### Sensitizer

Conclusion/Summary Skin Not sensitizing - based on the individual components.  
Respiratory Not sensitizing - based on the individual components.

### Chronic toxicity

Conclusion/Summary No known significant effects or critical hazards.

### Carcinogenicity

Conclusion/Summary No known significant effects or critical hazards.

### Mutagenicity

Conclusion/Summary No known significant effects or critical hazards.

### Teratogenicity

Product/ingredient name	Result	Species	Dose	Exposure
Conclusion/Summary				

### Reproductive toxicity

Conclusion/Summary No known significant effects or critical hazards.

## 12. Ecological information

Ecotoxicity No known significant effects or critical hazards.

### Aquatic ecotoxicity

Product/ingredient name	Result	Species	Exposure
Sulfuric acid, calcium salt (1:1)	Acute LC50 2,980 mg/l Fresh water	Fish - Bluegill	4 d

Conclusion/Summary No known significant effects or critical hazards.

### Persistence/degradability

Conclusion/Summary No known significant effects or critical hazards.

## 13. Disposal considerations

Waste disposal Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. Transport information

### Regulatory information

<u>UN no.</u>	<u>Proper shipping name</u>	<u>Class</u>	<u>PG*</u>	<u>Note</u>
DOT	Not Regulated			
IATA (C)	Not Regulated			
IATA (P)				

<u>Regulatory information</u>	<u>UN no.</u>	<u>Proper shipping name</u>	<u>Class</u>	<u>PG*</u>	<u>Note</u>
IMDG		Not Regulated			
TDG		Not Regulated			
PG* : Packing group					

**15. Regulatory information**

**United States** : United States inventory (TSCA 8b)All components are listed or exempted.  
**U.S. Federal regulations** : SARA 302/304/311/312 extremely hazardous substances: No products were found.  
 SARA 302/304 emergency planning and notification: No products were found.  
 SARA 302/304/311/312 hazardous chemicals: No products were found.  
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.  
 Clean Water Act (CWA) 307: No products were found.  
 Clean Water Act (CWA) 311: No products were found.  
 Clean Air Act (CAA) 112 accidental release prevention: No products were found.  
 Clean Air Act (CAA) 112 regulated flammable substances: No products were found.  
 Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

**California Prop. 65** : Not listed.  
**United States inventory (TSCA 8b)** : All components are listed or exempted.  
**Canada inventory** : Not determined.

**16. Other information**

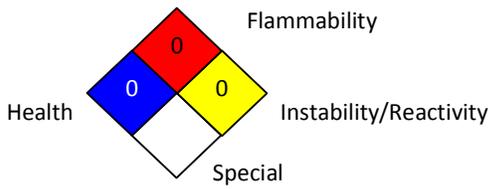
Label requirements :

**Hazardous Material Information System (U.S.A.) :**

Health	1
Flammability	0
Physical hazards	0

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