



United States  
Material Safety Data Sheet

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 SNAP PAC GRUBEX

**1. Product and company identification**

MSDS # : 320000004595  
EPA Registration Number: : 538-306

**2. Hazards identification**

**Physical state** : solid [granules]  
**Color** : Gray to Tan  
**Odor** : Earthy odor  
**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
**Emergency Overview** : When used as directed this product does not present a hazard to humans or domestic animals.  
Wash thoroughly after handling.

**Potential acute health effects**

**Inhalation** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.  
**Skin** : No known significant effects or critical hazards.  
**Eyes** : No known significant effects or critical hazards.  
**Target organs** : Contains material which causes damage to the following organs:  
upper respiratory tract  
skin  
eyes  
stomach

**Potential chronic health effects** : See section 11 for more information.

**Over-exposure signs/symptoms**

**Inhalation** : No specific data.  
**Ingestion** : No specific data.  
**Skin** : No specific data.  
**Eyes** : No specific data.  
**Medical conditions aggravated by over-exposure** : None known.

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See toxicological information (Section 11)

### 3. Composition/information on ingredients

Name	CAS number	%
Cellulose	9004-34-6	>40 - <=70
Kaolin	1332-58-7	>30 - <=40
Carbonic acid calcium salt (1:1)	471-34-1	>15 - <=30
Titanium oxide (TiO <sub>2</sub> )	13463-67-7	>0.5 - <=1

### 4. First aid measures

- Eye contact** : 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.
- Skin contact** : 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.
- 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.
- 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. Never give anything by mouth to an unconscious person.
- Notes to physician** : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

### 5. Fire-fighting measures

- Flammability of the product** : No specific fire or explosion hazard.

#### Extinguishing media

- Suitable** : Use an extinguishing agent suitable for the surrounding fire.  
**Not suitable** : None known.

- Special exposure hazards** : 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.

- Hazardous thermal decomposition products** : No specific data.

- Special protective equipment for fire-fighters** : 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

- Personal precautions** : 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).

- Environmental precautions** : Do not apply directly to water. To protect the environment, do not allow

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pesticide to enter or run-off into storm drains, drainage ditches gutters or surface waters

### Methods for cleaning up

- Small spill** : Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Vacuum or sweep up material and place in container for disposal. Never place down drain.

## 7. Handling and storage

- Handling** : 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.
- Storage** : 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

### Occupational exposure limits

<b>Ingredient</b>	<b>Exposure limits</b>
Cellulose	<p><b>OSHA PEL (1993-06-30)</b> PEL: Permissible Exposure Level 15 mg/m3 Form: Total dust</p> <p><b>OSHA PEL (1993-06-30)</b> PEL: Permissible Exposure Level 5 mg/m3 Form: Respirable fraction</p> <p><b>NIOSH REL (1994-06-01)</b> Time Weighted Average (TWA) 10 mg/m3 Form: Total</p> <p><b>NIOSH REL (1994-06-01)</b> Time Weighted Average (TWA) 5 mg/m3 Form: Respirable fraction</p> <p><b>ACGIH TLV (1994-09-01)</b> TLV-TWA: Threshold Limit Value - Time weighted average PEL: Permissible Exposure Level 10 mg/m3</p>
Kaolin	<p><b>OSHA PEL (1993-06-30)</b> PEL: Permissible Exposure Level 15 mg/m3 Form: Total dust</p> <p><b>OSHA PEL (1993-06-30)</b> PEL: Permissible Exposure Level 5 mg/m3 Form: Respirable fraction</p> <p><b>NIOSH REL (1994-06-01)</b> Time Weighted Average (TWA) 10 mg/m3 Form: Total</p> <p><b>NIOSH REL (1994-06-01)</b> Time Weighted Average (TWA) 5 mg/m3 Form: Respirable fraction</p> <p><b>ACGIH TLV (1996-05-18)</b> Notes: The agent (mixture, or exposure circumstance) is not classifiable as to its carcinogenicity to humans. 1996 Adoption Refers to Appendix A -- Carcinogens.</p> <p>TLV-TWA: Threshold Limit Value - Time weighted average PEL: Permissible Exposure Level 2 mg/m3 Form: Respirable fraction: means that size fraction of the airborne particulate deposited in the gas-exchange region of the respiratory tract and collected during air sampling with a particle size-</p>

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	selective device that, (a) meets the ACGIH particle size–selective sampling criteria for airborne particulate matter; and (b) has the cut point of 4 µm at 50 per cent collection efficiency.
Carbonic acid calcium salt (1:1)	<b>OSHA PEL (1993-06-30)</b> PEL: Permissible Exposure Level 15 mg/m3 Form: Total dust <b>OSHA PEL (1993-06-30)</b> PEL: Permissible Exposure Level 5 mg/m3 Form: Respirable fraction
Titanium oxide (TiO2)	<b>OSHA PEL (1993-06-30)</b> PEL: Permissible Exposure Level 15 mg/m3 Form: Total dust <b>NIOSH REL (1994-06-01)</b> Notes: NIOSH potential occupational carcinogen See Appendix A - NIOSH Potential Occupational Carcinogen  <b>ACGIH TLV (1996-05-18)</b> Notes: The agent (mixture, or exposure circumstance) is not classifiable as to its carcinogenicity to humans. Substance identified by other sources as a suspected or confirmed human carcinogen. Substances for which the TLV is higher than the OSHA Permissible Exposure Limit (PEL) and/or the NIOSH Recommended Exposure Limit (REL). See CFR 58(124) :36338-33351, June 30, 1993, for revised OSHA PEL. 1996 Adoption Refers to Appendix A -- Carcinogens. TLV-TWA: Threshold Limit Value - Time weighted average PEL: Permissible Exposure Level 10 mg/m3

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

- Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.
- 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** : Protective gloves are not required, but may be used in situations where significant contact is expected.
- Eyes** : Protective eyewear is not required, but may be used in situations where contact is expected.
- Skin** : No special protective clothing is required.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

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## 9. Physical and chemical properties

Physical state	: solid [granules]
Flash point	: Not Applicable
Burning time	: Not Applicable
Auto-ignition temperature	: Not Applicable
Flammable limits	: Not Applicable
Density	: 44 lb/ft3
Color	: Gray to Tan
Odor	: Earthy odor
pH	: Not Applicable
Boiling/condensation point	: Not Applicable
Melting/freezing point	: Not Applicable
Relative density	: Not Applicable
Vapor pressure	: Not Applicable
Vapor density	: Not Applicable
Volatility	: Not Applicable
Odor threshold	: Not Applicable
Evaporation rate	: Not Applicable
Viscosity	: Not Applicable
Solubility	: Not Applicable
Solubility in water	: Not Applicable

## 10. Stability and reactivity

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

## 11. Toxicological information

### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Cellulose	LD50 Oral	Rat	> 5,000 mg/kg	-
Kaolin	LD50 Oral	Rat	> 2,000 mg/kg	-
Carbonic acid calcium salt (1:1)	LD50 Oral	Rat	6,450 mg/kg	-
Cellulose	LD50 Dermal	Rabbit	> 2,000 mg/kg	-

Conclusion/Summary Very low toxicity to humans or animals.

### Irritation/Corrosion

Skin	Non-irritating
Eyes	May cause eye irritation.
Respiratory	May cause respiratory irritation

### Sensitizer

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

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**Chronic toxicity**

Conclusion/Summary No known significant effects or critical hazards.

**Carcinogenicity**

Conclusion/Summary No known significant effects or critical hazards.

**Classification**

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
Kaolin	A4					
Titanium oxide (TiO <sub>2</sub> )	A4	2B		+		

**Mutagenicity**

Conclusion/Summary No known significant effects or critical hazards.

**Teratogenicity**

Product/ingredient name	Result	Species	Dose	Exposure
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Conclusion/Summary No known significant effects or critical hazards.

**Reproductive toxicity**

Conclusion/Summary No known significant effects or critical hazards.

## 12. Ecological information

**Ecotoxicity** : This pesticide is extremely toxic to fish, aquatic invertebrates, oysters and shrimp.

**Aquatic ecotoxicity**

Product/ingredient name	Result	Species	Exposure
Titanium oxide (TiO <sub>2</sub> )			
	Acute EC50 > 1,000 mg/l Fresh water	Aquatic invertebrates. Water flea	2 d
	Acute EC50 5.83 mg/l Fresh water	Aquatic plants - Green algae	3 d

Conclusion/Summary : No known significant effects or critical hazards.

**Persistence/degradability**

Conclusion/Summary : No known significant effects or critical hazards.

**Partition coefficient: n-octanol/water** : No known significant effects or critical hazards.

**Other adverse effects** : 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

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<u>Regulatory information</u>	<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)					
IMDG		Not Regulated			
TDG		Not Regulated			
PG* : Packing group					

## 15.Regulatory information

### United States

**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:** Kaolin: Del Carbonic acid calcium salt (1:1): Acu
- 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.

**United States inventory (TSCA 8b)** : All components are listed or exempted.

### State regulations

**Massachusetts** : The following components are listed: Cellulose

**New York** : None of the components are listed.

**New Jersey** : The following components are listed: Cellulose Kaolin Titanium oxide (TiO2)

**Pennsylvania** : The following components are listed: Cellulose Kaolin Titanium oxide (TiO2)

### International regulations

**Canada inventory** : At least one component is not listed.

**International lists** :

- Philippines inventory (PICCS):** At least one component is not listed.
- New Zealand Inventory of Chemicals (NZIoC):** At least one component is not

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listed.

**Korea inventory:** At least one component is not listed.

**China inventory (IECSC):** At least one component is not listed.

**Japan inventory:** At least one component is not listed.

**Australia inventory (AICS):** At least one component is not listed.

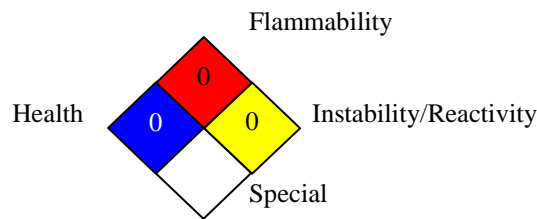
## 16. Other information

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

Health		1
Flammability		0
Physical hazards		0

**Caution:** HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868. The customer is responsible for determining the PPE code for this material.

### National Fire Protection Association (U.S.A.):



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