



Miracle-Gro Lawn Products Inc  
 14111 Scottslawn Road  
 Marysville, Ohio 43041  
 United States

# Material Safety Data Sheet

## MIRACLE GRO EVERGREEN FERTILIZER SPIKES 12-6-12

### 1. Product and company identification

MSDS # : 320000003036

### 2. Hazards identification

**Physical state** : solid [Compressed Spike]  
**Color** : Light brown. Blue. Gray.  
**Odor** : Fertilizer  
**Signal word** : No signal word.  
**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
**Emergency Overview** : Keep out of reach of children.

#### 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:  
 gastrointestinal tract  
 eyes

**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** : Pre-existing skin disorders may be aggravated by over-exposure to this product.  
 See toxicological information (Section 11)

### 3. Composition/information on ingredients

Name	CAS number	%
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Potassium chloride	7447-40-7	>15 - <=30
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#### 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** : Decomposition products may include the following materials:  
halogenated compounds  
metal oxide/oxides

- 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** : No specific hazard.

##### 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.

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## 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

**No exposure standard allocated.No exposure standard allocated.**  
**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.

## 9. Physical and chemical properties

- Physical state** : solid [Compressed Spike]
- Flash point** : Not Applicable
- Burning time** : Not Applicable
- Auto-ignition temperature** : Not Applicable
- Flammable limits** : Not Applicable
- Density** : 60 lb/ft<sup>3</sup>
- Color** : Light brown. Blue. Gray.
- Odor** : Fertilizer
- pH** : Not Applicable
- Boiling/condensation point** : Not Applicable
- Melting/freezing point** : Not Applicable

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<b>Relative density</b>	:	Not Applicable
<b>Vapor pressure</b>	:	Not Applicable
<b>Vapor density</b>	:	Not Applicable
<b>Volatility</b>	:	Not Applicable
<b>Odor threshold</b>	:	Not Applicable
<b>Evaporation rate</b>	:	Not Applicable
<b>Viscosity</b>	:	Not Applicable
<b>Solubility</b>	:	Not Applicable
<b>Solubility in water</b>	:	Not Applicable

## 10. Stability and reactivity

<b>Chemical stability</b>	:	The product is stable.
<b>Conditions to avoid</b>	:	No specific data.
<b>Incompatible materials</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 reactions</b>	:	Under normal conditions of storage and use, hazardous reactions will not occur.

## 11. Toxicological information

### Acute toxicity

Conclusion/Summary No known significant effects or critical hazards.

### Irritation/Corrosion

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

### 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	No known significant effects or critical hazards.			

### Reproductive toxicity

Conclusion/Summary No known significant effects or critical hazards.

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## 12. Ecological information

**Ecotoxicity** : No known significant effects or critical hazards.

### Aquatic ecotoxicity

**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

<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

### International regulations

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

**International lists** :

- Australia inventory (AICS):** At least one component is not listed.
- Japan inventory:** At least one component is not listed.
- China inventory (IECSC):** At least one component is not listed.
- Korea inventory:** At least one component is not listed.
- New Zealand Inventory of Chemicals (NZIoC):** At least one component is not listed.
- Philippines inventory (PICCS):** At least one component is not listed.

## 16. Other information

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

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Health	1
Flammability	0
Physical hazards	0

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