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United States

Safety Data Sheet

Scotts Miracle-Gro Products Inc.
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

MIRACLE-GRO INDOOR PLANT FOOD SPIKES 6-12-6

Section 1. Identification

GHS product identifier : MIRACLE-GRO INDOOR PLANT FOOD SPIKES 6-12-6
Product type : Fertilizer
SDS # : 320000000146

Relevant identified uses of the substance or mixture and uses advised against
Use only in accordance with label directions.

Section 2. Hazards identification

This product is regulated by the Consumer Product Safety Commission (CPSC) for label precautionary text see Section 15.

OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture : Not classified.

GHS label elements

Signal word : None

Hazard statements : No known significant effects or critical hazards.

Precautionary statements

General : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention : Not applicable.

Response	**:**	Not applicable.
Storage	**:**	Not applicable.
Disposal	**:**	Not applicable.
Supplemental label elements	**:**	None known.
Hazards not otherwise classified	**:**	None known.

Section 3. Composition/information on ingredients

Substance/mixture	**:**	Mixture
Chemical name	**:**	Not available.
Other means of identification	**:**	Not available.

Ingredient name	%	CAS number
Methanol	>= 1 - < 3	67-56-1
Boric acid	>= 0.1 - < 0.3	10043-35-3

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.
Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	**:**	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	**:**	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	**:**	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	**:**	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	**:**	No known significant effects or critical hazards.
Inhalation	**:**	No known significant effects or critical hazards.
Skin contact	**:**	No known significant effects or critical hazards.
Ingestion	**:**	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	**:**	No specific data.
Inhalation	**:**	No specific data.
Skin contact	**:**	No specific data.
Ingestion	**:**	No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	**:**	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	**:**	No specific treatment.
Protection of first-aiders	**:**	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	**:**	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	**:**	None known.
Specific hazards arising from the chemical	**:**	No specific fire or explosion hazard.
Hazardous thermal decomposition products	**:**	Decomposition products may include the following materials: carbon dioxide carbon monoxide
Special protective actions for fire-fighters	**:**	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.
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.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	**:**	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
For emergency responders	**:**	If specialised clothing is required to deal with the spillage, take note of

any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Spill : Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Occupational exposure limits

Ingredient name	Exposure limits
Methanol	**OSHA PEL 1989 (1989-03-01)** **TWA** 260 mg/m3, 200 ppm **STEL** 325 mg/m3, 250 ppm **OSHA PEL (1993-06-30)** **TWA** 260 mg/m3, 200 ppm **NIOSH REL (1994-06-01)** **TWA** 260 mg/m3, 200 ppm

	STEL 325 mg/m3, 250 ppm **ACGIH TLV (1994-09-01)** **TWA** 262 mg/m3, 200 ppm Notes: Biological exposure index or indicies recommended for substance listed **STEL** 328 mg/m3, 250 ppm Notes: Biological exposure index or indicies recommended for substance listed

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

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.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

Appearance

Physical state	**:**	solid [Compressed Spike]
Color	**:**	Blue.
Odor	**:**	Fertilizer
Odor threshold	**:**	Not available.
pH	**:**	Not available.
Melting point	**:**	Not available.
Boiling point	**:**	Not available.
Flash point	**:**	Not available.
Evaporation rate	**:**	Not available.
Flammability (solid, gas)	**:**	Not available.
Lower and upper explosive (flammable) limits	**:**	**Lower:** Not available. **Upper:** Not available.
Vapor pressure	**:**	Not available.
Vapor density	**:**	Not available.
Relative density	**:**	Not available.
Solubility	**:**	Not available.
Partition coefficient: n-octanol/water	**:**	Not available.
Auto-ignition temperature	**:**	Not available.
Decomposition temperature	**:**	Not available.
Viscosity	**:**	**Dynamic:** Not available. **Kinematic:** Not available.

Section 10. Stability and reactivity

Reactivity	**:**	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	**:**	The product is stable.
Possibility of hazardous reactions	**:**	Under normal conditions of storage and use, hazardous reactions will not occur.
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.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
	LD50 Oral	Rat	> 5,000 mg/kg	-
	LC50 Inhalation	Rat	> 5 mg/l	4 h
	LD50 Dermal	Rat	> 5,000 mg/kg	-

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

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
	Eyes - Redness of the conjunctivae	Rabbit	1.0		-
	Skin - Erythema/Eschar	Rabbit	1.0		-

Conclusion/Summary
Skin **:** May cause skin irritation.
Eyes **:** May cause eye irritation.
Respiratory **:** May cause respiratory irritation

Sensitization

Product/ingredient name	Route of exposure	Species	Result
	Skin	Guinea pig	Not sensitizing

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

Mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

Teratogenicity

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

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Methanol			

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential chronic health effects

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

General : No known significant effects or critical hazards.
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.

Section 12. Ecological information

Toxicity

Conclusion/Summary : Not available.

Persistence and degradability

Conclusion/Summary : Not available.

Mobility in soil

Soil/water partition coefficient (KOC) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable

products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

Regulatory information	UN no.	Proper shipping name	Class	PG*	Note
DOT		Not Regulated			
IATA (C)		Not Regulated			
IATA (P)					
IMDG		Not Regulated			
TDG		Not Regulated			

PG* : Packing group

Section 15. Regulatory information

Precautionary statements

Signal word : No signal word.

Emergency Overview : Keep out of reach of children.

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

State regulations

California Prop. 65
Not available.

International lists

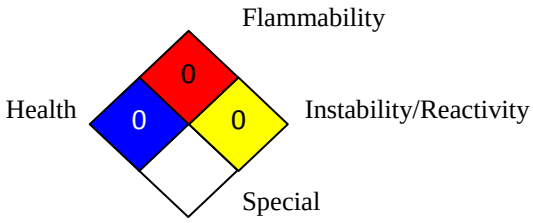
National inventory

Australia	:	At least one component is not listed.
Canada	:	At least one component is not listed.
China	:	At least one component is not listed.
Europe	:	At least one component is not listed.
Japan	:	At least one component is not listed.
Malaysia	:	Not determined.
New Zealand	:	At least one component is not listed.

Philippines	:	At least one component is not listed.
Republic of Korea	:	At least one component is not listed.
Taiwan	:	Not determined.

Section 16. Other information

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



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Procedure used to derive the classification

Classification	Justification
Not classified.	

History

Date of issue/Date of revision	:	Validity date***.
Version	:	1.2

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