

REAL GROWERS

GROW DOTS PLANT FOOD

16-8-11

Safety Data Sheet

OSHA Haz Com Standard 29 CFR 1910.1200 V3

Section 1: Identification of the substance/mixture and of the company/undertaking

Product Name **REAL GROWERS GROW DOTS PLANT FOOD 16-8-11**

Product Type Solid Granule

Uses Professional applications of fertilizer. No restrictions.

Supplier

Supplier Details Real Growers, Inc.
1801 Airway Avenue
Fort Collins, CO 80524
1-303-345-5338

Emergency

Telephone Number

Medical Rocky Mountain Poison Control Center – 1-800-304-0824
(Human or Animal)

Section 2: Hazards identification

Classification of the Substance or Mixture Causes serious eye damage, eye irritation, and respiratory irritant.

Label Elements

Hazard Pictograms



Signal Word Danger

- Hazards statements : Causes serious eye damage
: Skin irritant
: Eye irritant
: May cause respiratory irritation
- Precautionary statements : Wash hands thoroughly after handling.
: Do not touch eyes.
: Wear protective gloves/eye protection
- Response Precautionary statements : If in eyes: Immediately rinse with water for several minutes. Remove contact lenses, if present, and easy to do. Continue rinsing. Get emergency medical help.
: If on skin: Wash thoroughly with soap and water
: If inhaled: Remove person from source
: If ingested: Get medical attention

Section 3: Composition/information on ingredients

Mixture

Ammonium Nitrate CAS # 6484-52-2	20.84%
Potassium Sulfate CAS # 7778-80-5	13.414%
Monoammonium Phosphate CAS # 7722-76-1	6.24%
Potassium Nitrate CAS # 7757-79-1	11.036%
Urea CAS # 57-13-6	11.515%
Sodium Chloride CAS # 7647-14-5	0.93%
Polymer Coating	4.395%
Various Micronutrients*	20.63%

**The specific chemical identity and concentrations have been withheld as a trade secret.*

Section 4: First Aid Measures

Description of First Aid Measures

- If in eyes: Flush with water for 15 minutes. Call a doctor for treatment advice if irritation persists.
- If on skin: Wash thoroughly with soap and water. Launder clothing before use.
- If inhaled: Remove affected person from source of exposure. Call 911 if breathing is difficult.
- If ingested: Do not induce vomiting. Get medical attention. Have the product label with you when calling a doctor or going for treatment.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries after eye contact: May cause serious eye damage.

Symptoms/injuries after skin contact: Causes skin irritation.

Symptoms/injuries after inhalation: May cause respiratory irritation.

Indication of any immediate medical attention and special treatment needed:
No additional information available.

Section 5: Firefighting measures

Extinguishing media

Suitable extinguishing media: Water spray, dry chemical, carbon dioxide, sand.

Unsuitable extinguishing media: None.

Special hazards arising from the substance or mixture: Material will not burn. However, material undergoes decomposition at elevated temperatures to release toxic and combustible gases.

Advice for Firefighters

Firefighting Instructions: Material will not burn. Use extinguishing media appropriate for the surrounding materials.

Protection during firefighting: Wear respiratory protection.

Section 6: Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures

Protective equipment: Wear gloves and cover skin.

Emergency procedures: None required.

Environmental precautions: Prevent entry to sewers and public surface waters.

Clean up methods: Use mechanical means. Store material in suitable containers for recycle or disposal.

Reference to other sections: See Section 7 for safe handling information.

Section 7: Handling and Storage

Precautions for Safe Handling

Safe handling precautions: Avoid contact with skin and eyes. After handling, wash hands thoroughly with soap and water. Avoid breathing dust. Wash before eating and drinking.

Fire/explosion precautions: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a dry, cool, and well-ventilated area. Protect from weather.

Incompatible materials: Slightly reactive with oxidizing agents, metals, alkalis, and moisture.

Specific end use(s): No further relevant information available.

Section 8: Exposure controls/personal protection

Control parameters

ACGIH Threshold Limit Value: 10mg/m³ as inhalable dust.

OSHA Permissible Exposure Limit: Not established.

Exposure controls

Appropriate engineering controls: If dust is generated during handling, use adequate ventilation to keep exposure to airborne dust level below the threshold limits.

Personal protective equipment: Hand, skin, eye, respiratory (if needed).

Hand protection: Wear protective gloves. Glove material: Any.

Eye protection: Safety glasses with side shields.

Skin and body protection: Wear long-sleeved clothing and other suitable clothing to prevent skin exposure.

Respiratory protection: Wear NIOSH approved dust respirator if dust level is above the threshold limit.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Information on basic physical properties

Physical state	Solid granule	Flammability:	Not flammable
Color:	Black/dark gray	Flash point:	Not applicable
Odor:	Slight phosphate	Explosive limit (upper):	No data available.
Odor threshold:	17 ppm (ammonia)	Explosive limit (lower):	No data available.
Boiling point:	Decomposes	Auto ignition temp.:	No data available.
Melting point:	155°C (311°F)	Decomposition temp.:	No data available.
Freezing point:	No data available	Partition coefficient:	No data available.
Vapor pressure:	Not applicable	Viscosity, kinematic:	Not applicable.
Vapor density:	Not applicable	Viscosity, dynamic:	Not applicable.
pH:	5.2	Specific gravity:	1.07
Bulk density:	65 lbs/ft ³	Solubility:	Soluble in water
Evaporation rate:	Not applicable		

Other information: No further information available.

Section 10: Stability and Reactivity

Reactivity: No further relevant information available.

Chemical stability: The product is stable under normal ambient conditions.

Possibility of hazardous reactions: None.

Conditions to avoid No further relevant information available.

Incompatible materials: Slightly reactive with oxidizing agents, metals, alkalis, and moisture.

Hazardous decomposition products: Avoid contact with moisture - slow hydrolysis will produce corrosive acids.

Section 11: Toxicological information

Information on toxicological effects

Routes of exposure: Skin contact, eye contact, inhalation, ingestion.

Skin corrosion/irritation: Causes skin irritation.

Eye damage/irritation: Dust may cause serious eye damage.

Acute toxicity: Not classified.

Carcinogenicity: Not classified.

Reproductive toxicity: Not classified.

LD50 oral rat⁷ 3000 mg/kg (Rat)

NTP (National Toxicology Program): Substance not listed.

IARC (International Agency for Research on cancer): Substance not listed.

Section 12: Ecological information

Toxicity: No testing data available.

Persistence and degradability: Aquatic toxicity: will release ammonium ions in water by hydrolysis. Ammonia is toxic to aquatic organisms. Avoid spills/releases to surface water.

Bioaccumulative potential: No data available.

Mobility in soil: Non-persistent when applied using normal practices.

Other adverse effects: No further relevant information available.

Section 13: Disposal Considerations

Waste treatment methods

Waste disposal recommendations: Recycle excess product if at all possible. Avoid sewage and landfill disposal.

Waste containers: Do not use metal waste containers.

Reference to other sections: See Section 8 for exposure control information.

Section 14: Transport information

Transportation information

UN-Number: None.

DOT, ADR, ADN, IATA, IMDG: Non-regulated material.

UN proper shipping name: Not regulated for transportation.

Transport hazard class: Not regulated.

Class–

DOT, ADR, ADN, IATA, IMDG: Non-regulated material.

Packing group–

DOT, ADR, IMDG, IATA: Non-regulated material.

Environmental hazards: Marine pollutant IMDG: Not classified as a marine pollutant.

Transport in bulk according to Annex II of MARPOL 73/78 and IBC code: Not applicable.

Special precautions for user: None.

Section 15: Regulatory information

U.S. Federal regulations

SARA 302 (EHS):	Product is not listed.
SARA 311-312 (Tier II):	Product is not listed.
SARA 313 (TRI):	Product is not listed.

International Regulations

Canada:	Product is listed on Domestic Substances List.
European Union:	Product is not listed.

U.S. State regulations:	None.
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Section 16: Other information

Other information

Date of preparation: December 2023 (H-October 2019 -Version 2.0)

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