

# MATERIAL SAFETY DATA SHEET



## Agriform<sup>®</sup> Planting Tablets 20-10-5 plus Minors

90026

Scotts-Sierra Horticultural Products Co.  
The Scotts Company  
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Marysville, Ohio 43041

In Case of Emergency call:  
1-937-644-0011 (USA)  
For non-Emergency calls:  
1-937-644-0011 (USA)

### I. MATERIAL IDENTIFICATION

Product Name: Agriform<sup>®</sup> Planting Tablets  
Analysis: 20-10-5  
Stock Number: 90026

#### NFPA Hazard Ratings

|              |   |            |
|--------------|---|------------|
| Health       | 2 | 0 Least    |
| Flammability | 0 | 1 Slight   |
| Reactivity   | 1 | 2 Moderate |
|              |   | 3 High     |
|              |   | 4 Severe   |

### II. HAZARDOUS INGREDIENTS

| <u>MATERIAL</u>    | <u>CAS #</u>                  | <u>OSHA PEL</u>        | <u>ACGIH TLV</u>        |
|--------------------|-------------------------------|------------------------|-------------------------|
| Ureaform           | 9011-05-6                     | None                   | None                    |
| Calcium Phosphates | 7758-23-8/7757-93-9/7758-87-4 | None                   | None                    |
| Potassium Sulfate  | 7778-80-5                     | None                   | None                    |
| Calcium Sulfate    | 7778-18-9                     | 15mg/m <sup>3</sup>    | 10mg/m <sup>3</sup>     |
| Magnesium Oxide    | 1309-48-4                     | 10mg/m <sup>3</sup>    | None                    |
| Sodium Borate      | 1330-43-4                     | 10mg/m <sup>3</sup>    | None                    |
| Copper Sulfate     | 7758-98-7                     | None                   | 1 mg(Cu)/m <sup>3</sup> |
| Ferrous Sulfate    | 7782-63-0                     | 1mg(Fe)/m <sup>3</sup> | 1mg(Fe)/m <sup>3</sup>  |
| Manganese Sulfate  | 7785-87-7                     | 5mg(Mn)/m <sup>3</sup> | 5mg(Mn)/m <sup>3</sup>  |
| Zinc Sulfate       | 7733-02-0                     | None                   | None                    |

All exposure limits are for airborne 8-hour time-weighted averages and apply only to occupational exposures. Tablet compaction is expected to minimize airborne exposures.

The ACGIH Threshold Limit Values for nuisance (inert) dusts containing <1% crystalline silica and no asbestos are: 10 mg/m<sup>3</sup> total, 5 mg/m<sup>3</sup> respirable.

### III. FIRST AID PROCEDURES

Eyes: If in eyes, flush with water for 15 minutes holding eyelids open. Get medical attention if irritation  
Ingestion: Never give anything by mouth to an unconscious or convulsing person. Have conscious person drink 1 to 2 glasses of water, then induce repeated vomiting until vomit is clear. Call physician.  
Skin: Wash with plenty of soap and water.  
Inhalation: Remove to fresh air. Treat symptomatically.

#### **IV. HEALTH HAZARD INFORMATION**

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##### Summary of Risks

Prolonged or repeated direct contact with fertilizer may irritate eyes and skin. Inhalation of dust may irritate nose, throat, and lungs.

Medical conditions which may

be aggravated by contact: Skin abrasions and sores.

Target Organs: Skin, eyes, respiratory tract, gastrointestinal tract, and central nervous system.

Primary Entry Route(s): Ingestion, inhalation.

Acute Effect(s): Prolonged skin contact with product may cause mild irritation.

##### Ingredients Listed as a Carcinogen

IARC Monographs: No

NTP: No

OSHA: No

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#### **V. PERSONAL PROTECTION AND PRECAUTIONS**

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Goggles: None required for routine use as fertilizer.

Gloves: None required for normal use. If prolonged or repeated use irritates skin, use neoprene or PVC gloves.

Respirator: If airborne dust levels are high or product does not remain intact, use a combination of engineering controls (e.g. ventilation) and personal protection (e.g. NIOSH/MSHA approved respirator for dusts, mists, and fumes) to reduce exposures to acceptable levels.

Ventilation: Ventilation and personal protection are recommended whenever dust levels are high or product does not remain intact.

##### Workplace Considerations

Ventilation: Ventilation and personal protection are recommended whenever dust levels are high or product does not remain intact.

Safety Stations: Running water should be available in case material gets in eyes.

Other: Ingredients with occupational exposure limits comprise a small percentage of the total product. For this reason, it is not expected that these limits will be exceeded unless the nuisance dust standards are exceeded.

**VI. PHYSICAL HAZARD INFORMATION**

|   |  |                                |                       |
|---|--|--------------------------------|-----------------------|
| Flammable Limits (% in Air):                    | Not Applicable   | Color:                         | Bluish gray/green     |
| Extinguishing Media:                            | Water  | Odor:                          | None                  |
| Auto Ignition Temperature:                      | Not Applicable   | Melting Point:                 | Decomposes on heating |
| Flash Point (method):                           | Decomposes on heating  | Boiling Point:                 | Decomposes on heating |
|   |  | Solubility in H <sub>2</sub> O | 75%                   |
|   |  | Specific Gravity:              | 1.5                   |
|   |  | Vapor Pressure:                | Not Known             |
|   |  | Evaporation Rate:              | Not Applicable        |
| <u>Reactivity</u>                               |  |                                |                       |
| Stability:                                      | Stable   |                                |                       |
| Hazardous Polymerization:                       | Will Not Occur   |                                |                       |
| Conditions to Avoid:                            | Extreme heat. Contact with strong alkalies, oxidizers, and reducing agents. Contact with fuels and other organic or combustible materials. Active metals such as aluminum and magnesium.   |                                |                       |
| Hazardous Decomposition Products:               | In a fire, may produce oxides of nitrogen, magnesium, potassium, and sulfur, as well as ammonia.   |                                |                       |
| Chemical Incompatibilities:                     | Strong oxidizing (permanganate, dichromate, nitrate, chlorine) and reducing agents, sodium nitrite and many chlorine compounds (including household bleach and other cleaning products). Active metals such as aluminum and magnesium. |                                |                       |
| Unusual Fire, Explosion and Reactivity Hazards: | Decomposes on heating to emit ammonia, as well as toxic oxides of nitrogen, magnesium, potassium, and sulfur. High airborne dust concentrations have the potential for explosion.  |                                |                       |
| <u>In Case of Fire:</u>                         | Evacuate area. Flood with water to cool containers. Wear self-contained breathing apparatus to fight large fires.  |                                |                       |

**VII. REGULATORY INFORMATION**

DOT Classification: Not DOT regulated.

**VIII. STORAGE AND SPECIAL PRECAUTIONS**Precautions to be taken in handling and storage

Store in a cool, dry area away from incompatible materials and heat sources. Store away from feed and foodstuffs, as well as household cleaning products. Wash hands with soap and water after handling product. Keep out of reach of children.

In case of spills

Avoid dusting or misting conditions during cleanup. If material is uncontaminated, collect and reuse as recommended for product. If contaminated, put in appropriate container and dispose. Keep spills away from drinking water supplies. After cleaning up spill, flush area with water.

Waste Management/Disposal

Apply as fertilizer to field. If product is contaminated, dispose of in an approved landfill disposal facility, in accordance with applicable federal, state, and local regulations.

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