

MATERIAL SAFETY DATA SHEET

Revised Date: Sept. 2013

AgSafe® 20-10-5 Mycorrhizae Fertilizer Tablets with Micronutrients, 8% Humus, and Organics

SECTION 1. IDENTIFICATION

Manufacturer/Formulator:

AgriTab Corporation

P.O. Box 70410

West Valley, UT 84170

Product Name: AgSafe® 20-10-5 Mycorrhizae Fertilizer Planting Tablets

Common Name: Slow-release Fertilizer Tablets

Chemical Type: Blend of Ureaformaldehyde, Inorganic Fertilizer Salts, Humus, and Mycorrhizae

Telephone No.: Emergency – Chemtrec 1-800-424-9300

NFPA Hazard Ratings:

Health – 2 Moderate

Flammability – 0 Least

Reactivity – 1 Slight

Other – 0 Least

SECTION 2. INGREDIENTS

Chemical Names & Synonyms	CAS#	OSHA PEL	ACGIH TLV
Ureaform	9011-05-6	None	None
Ammonium Phosphates	7783-28-0	None	10mg/m ³
Calcium Phosphates	7758-23-8	None	None
Potassium Sulfate	7778-80-5	None	None
Calcium Sulfate	7778-18-9	15mg/m ³	10mg/m ³
Magnesium Oxide	1309-48-4	10mg/m ³	None
Magnesium Sulfate	14977-38-3	10mg/m ³	None
Sodium Borate	1330-43-4	10mg/m ³	None
Copper Sulfate	7758-98-7	None	1mg(Cu)/m ³
Ferrous Sulfate	7782-63-0	1mg(Fe)/m ³	1mg(Fe)/m ³
Iron Sucrate	1317-61-9	10mg(Fe)/m ³	0.10mg(Fe)/m ³
Calcium Sulfate	7778-18-9	15mg/m ³	10mg/m ³
Manganese Sulfate	7785-87-7	5mg(Mn)/m ³	5mg(Mn)/m ³
Zinc Sulfate	7733-02-0	None	None
Humates – Humus Shale Ore	NA	NA	NA
Crosslinked Polyacrylamide Copolymer	NA	NA	NA
Sea Kelp Extracts (A. Nodosum)	NA	NA	NA
Yucca Extracts (Y. Schidigera)	NA	NA	NA
Mycorrhizae Fungi & Soil Bacteria	NA	NA	NA

Non-Hazardous: A non-hazardous blend of Ureaform, Ammonium Phosphates, Calcium Phosphates, Potassium Sulfate, Calcium Sulfate, Magnesium Oxide, Magnesium Sulfate, Sodium Borate, Copper Sulfate, Ferrous Sulfate, Iron Sucrate, Manganese Sulfate, Zinc Sulfate; Proprietary Blend of Humus, Plant Extracts, Organics, and Mycorrhizae; and inert non-hazardous proprietary natural organic polymer coatings and slow-release binding agents.

All exposure limits are for airborne 8-hour time-weighted averages and apply only to occupational exposures. Tablet compaction of above blend helps reduce airborne exposures. The ACGIH Threshold Limit Values for nuisance (inert) dusts containing <1% crystalline silica and no asbestos are: 10mg/m³ total, and 5mg/m³ respirable.

SECTION 3. FIRST AID PROCEDURES

Eyes:

If in eyes, flush with water for 15 minutes holding eyelids open. Get medical attention.

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.

SECTION 4. HEALTH HAZARD INFORMATION

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

SECTION 5. PERSONAL PROTECTION AND PRECAUTIONS

Goggles:

None required for routine use of 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 (i.e. ventilation) and personal protection (i.e. NIOSH/MSHA approved respirator for dusts, mists, 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:

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.

SECTION 6. PHYSICAL HAZARD INFORMATION

Appearance: Dark Blue/Brown Tablet

pH: 7.0

Odor: Slight/Odorless

Reaction with Water: Stable

Solubility: 55% Slowly Soluble

Melting Point: Decomposes on heating.

Boiling Point: Decomposes on heating.

Specific Gravity: 2.1

Vapor Pressure: NA

% Volatiles: NA

Flash Point: Decomposes

Flammable Limits: Upper – NA, Lower – NA

Stability: Stable

Hazardous Polymerization: Will Not Occur

Special Fire Fighting Procedures:

Remove ignition source. Minimize breathing of decomposing fumes.

Conditions to Avoid:

Extreme heat. Contact with strong alkalis, oxidizers, and reducing agents. Contact with fuels and other petro-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 high temperatures to emit ammonia, as well as toxic oxides of nitrogen, potassium, and sulfur. High airborne dust concentrations have the potential for explosion.

In Case Of Fire:

Evacuate area. Flood with water to cool containers. Wear self-contained breathing apparatus to fight large fires.

SECTION 7. REGULATORY INFORMATION

DOT Classification: Not DOT regulated.

SECTION 8. STORAGE AND SPECIAL PRECAUTIONS

Precautions 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 and pets.

If Material is Released or Spilled:

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

Waste Management and 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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Questions regarding the information in this MSDS should be addressed to AgriTab Corporation at 1-801-969-6906.

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