

Root Maxx
20-10-05 Planting Tablets

Safety Data Sheet

Latest Revision 05/16/16

SECTION 1 - IDENTIFICATION

Product Identifier: **20-10-05 Planting Tablet**

Other means of identification: None

Recommended use: Slow release fertilizer tablets

Manufacturer's Info: Turf Chemicals Plus d/b/a BioPlex Organics
114 Manheim Street
Mount Joy, PA 17552
For Information: 717-653-0616
Email: BioPlex@earthlink.net
Emergency phone number: CHEMTRAC (800)-424-9300

SECTION 2 - HAZARDOUS IDENTIFICATION

Physical hazards: Not classified

Health Hazard: Skin corrosion/irritation (Category 1)
Serious eye damage/eye irritation (Category 1)
Dust may be mildly irritating, suspected of causing cancer by prolonged and repeated inhalation of silica (sand) dust. (Category 2)

Environmental Hazards: Not Classified.

OSHA Defined Hazards: Not Classified.

Label elements:



Signal word Danger



Warning

Hazard statement:

Dust and residue can cause skin and eye irritation. Prolonged and repeated inhalation of silica dust is suspected of causing cancer. Keep out of reach of children.

Precautionary statement:

Prevention:

Avoid breathing dust. Observe good industrial hygiene practices; wash hands thoroughly after handling, wear protective gloves, protective clothing, eye protection, and face protection.

Response:

Wash hands after handling. If swallowed: rinse mouth. Do not induce vomiting. If on skin or hair: immediately take off all contaminated clothing, rinse skin with water/shower. If inhaled: remove person to fresh air and keep comfortable for breathing. If in eyes: Rinses cautiously with water for several minutes, remove contact lenses if present and easy to do, continue rinsing. Immediately call poison center/doctor. Wash contaminated clothing before reuse.



Root Maxx 20-10-05 Planting Tablets

Storage:

Keep containers tightly closed in a dry, cool area. Avoid accumulation of dust. There are no risks associated with storage.

Disposal:

Dispose of waste and residues in accordance with state and local regulations.

Hazards not otherwise classified (HNOC):

None known.

Supplemental Information:

None.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

This product is not classified as a hazardous material. Each Tablet is a non-hazardous blend of natural and conventional fertilizers and mineral.

Component Listing	CAS Number	Weight %
Ureaform	9011-05-6	*
Methylene Ureas	9011-05-6	*
Sulfate of Potash	7778-80-5	*
Ammoniated Phosphates	7722-76-1	*
Zinc Sulfate	7446-19-7	*
Iron Oxide	1317-61-9	*
Magnesium Stearate	557-04-0	*
Magnesium Oxide	1309-48-4	*
Calcium Hydroxide	1305-62-0	*
Manganese Oxide	1344-43-0	*

* The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4 – FIRST AID MEASUREURES

Inhalation:

No outward symptoms are expected other than possible nasal irritation or coughing during high exposure, remove to fresh air. If person is not breathing, call 911, and then give artificial respiration, preferably by mask to mouth, if possible. Seek medical attention if irritation persists.

Ingestion:

Product may irritate digestive tract if ingested. If person is conscious, have them sip a glass of water if able to swallow. Do not induce vomiting unless advised otherwise by a competent medical professional.

Eyes:

If material gets into eyes rinse eyes with gentle flowing water for a few minutes, or until relief occurs. Remove contact lenses and continue to rinse. Seek medical attention if irritation persists.

Skin:

Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation persists.



Root Maxx 20-10-05 Planting Tablets

Most important Symptoms/effect, acute and delayed:

Acute: Ordinary dust irritation is possible if excessive dust is produced. Mechanical irritation is possible if particles enter the eye. Irritation of the digestive tract might occur if significant amounts are digested, resulting in temporary diarrhea and/or vomiting.

Chronic: Excessive and repeated inhalation of nuisance dusts can cause irritation of respiratory tract with gradual development of lung irritation and/or damage.

SECTION 5 – FIRE-FIGHTING MEASURES

Flash Point: Not flammable Flammable limits: LEL: No Data UEL: No Data

Extinguishing Media:

Use water spray/mist, carbon dioxide, dry chemical, and alcohol-type or universal-type foams applied by manufactures recommended techniques suitable for surrounding fires.

Special Fire Fighting Procedures:

Fire fighters should wear standard fire-fighting gear, including a NIOSH/MSHA approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards:

Not a fire or explosion hazard when stored under normal conditions. Product can burn. Excessive inhalation of fumes from fire can be hazardous to health.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Safety glasses with side shields, impervious clothing, and nonporous gloves are recommended during cleanup.

Environmental Precautions:

No environmental damage is expected from an accidental spill, try to prevent spill from entering drains.

Methods of containment and cleanup:

Use good housekeeping practices. Clean up promptly by sweeping or vacuum cleaner with a HEPA filter. If material is uncontaminated, collect and reuse as recommended for product.

SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling:

Avoid container breakage. Gloves are recommended when handling. Do not eat, drink, or smoke while handling this product. Wash hands thoroughly before eating, drinking or smoking. Wash hands after handling. Keep out of reach of children and pets.

Conditions for Safe Storage, including any incompatibilities:

Keep containers tightly closed in a dry, cool area. There are no risks associated with storage.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION



Root Maxx 20-10-05 Planting Tablets

Occupational exposure limits

Chemical name	ACGIH TLV	OSHA PEL	NIOSH REL
Crystalline Silica, Quartz	0.025mg/m3 (respirable)	250 mppcf %SiO ₂ +5	0.05 mg/m3 (resp)
Nuisance Dusts	10 mg/m3 (TWA-Total dust)	15mg/m3 (TWA total) 50 mppcf (twa total)	None established

Respiratory Protection:

Wear respiratory protective equipment with P2 filter when performing dusty work. If airborne dust levels exceed the TLV for nuisance dusts, then the use a NIOSH/MSHA approved respirator and/or mechanical ventilation.

Appropriate engineering controls:

Use adequate ventilation to keep airborne concentrations of this material below the recommended exposure standard.

Eye/face protection:

Eye/face protection is not needed unless contact hazard exists during manufacturing and/or installation of product. Safety glasses with side shields are adequate protection.

Skin and body protection:

Wear protective clothing; nonporous gloves, and coveralls or apron as needed if contacted is anticipated during manufacturing and/or installation of product.

General hygiene considerations:

Wash hands thoroughly before eating, drinking or smoking and after handling product. Open wounds or disruptions in the skin should be covered with a clean dressing or patch before handling product to avoid contact with wounds.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Tablet
Appearance: Brownish-grey-green tablet, mild odor
Hazardous Polymerization: Will not occur
Boiling Point: N/A
Specific Gravity: N/A
Vapor Pressure: N/A
Melting Point: N/A
Vapor Density: N/A
Evaporation Rate: Not volatile
Solubility in Water: Tablets dissolve in water

SECTION 10 – STABILITY AND REACTIVITY

Chemically Stable: Under normal conditions product is stable.
Material to avoid: Oxidizing agents.
Conditions to avoid: Damp and wet conditions. Extreme heat
Hazardous decomposition products: Toxic fumes and gases may be generated, metal oxides possible.

SECTION 11- Toxicological information

Acute Toxicity



Root Maxx 20-10-05 Planting Tablets

Eye effects: Contact with eyes may cause irritation.

Skin effects: May cause skin irritation and/or dermatitis.

Chronic toxicity

Carcinogenicity: This product contains a small amount of crystalline silica (sand mineral), which is common in mined mineral ingredients. IARC Monographs concludes that there is “limited evidence” of carcinogenicity of inhaled crystalline silica to humans. Repeated and prolonged inhalation of significant quantities of fine silica dusts can be harmful to lungs, typically in occupations such as mining, where this mineral is encountered and repeatedly. Normal, proper use of this product is not expected to cause significant inhalation exposure.

SECTION 12 – ECOLOGICAL INFORMATION

No adverse ecological effects are reported or expected from normal use or from an accidental spill.

Fish toxicity: None

Daphnia toxicity: None

Aquatic effects: May be beneficial to plant life. Algae blooms can be triggered if significant amounts are released.

SECTION 13 – DISPOSAL CONSIDERATIONS

Product:

Once the spilled material is collected, it may still be used immediately as a fertilizer as originally intended. It may be disposed with normal trash, unless there are local restrictions. In all cases, the product should be disposed in accordance with local, state, and federal regulations.

Uncleaned packaging:

Empty uncleaned product packaging may be disposed with normal trash in accordance with local, state, and federal regulations.

SECTION 14 – TRANSPORT INFORMATION

Not restricted in the USA.

SECTION 15 – REGULATORY INFORMATION

Fertilizer N.O.S.

Registration as a fertilizer or soil amendment is required in several US states. Label in accordance with State and Federal Laws, and if sold internationally, with EC Directives and other relevant national regulations. Register product where required.

State Right to Know: Crystalline Silica is listed in: CA, IL, MA, NH, NY, NJ, and PA.

SECTION 16 – OTHER INFORMATION

NFPA: Health: 2 Flammability: 1 Reactivity: 1
HMIS: Health: 2 Flammability: 1 Reactivity: 1
Hazard Rating: 0=Least, 1=Slight, 2=Moderate, 3=High, 4=Severe

Note: The information and data contained herein is based upon facts considered to be correct as of the date hereof. Information is supplied upon the condition that the persons receiving same will make their own



Root Maxx 20-10-05 Planting Tablets

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