

T-PRO® 200 TECHNICAL DATA SHEET

1. PRODUCT NAME: T-PRO® 200, Dust Suppressant Polymer

2. MANUFACTURER

Terratech, Inc.
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Long Beach, CA 90815
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3. PRODUCT DESCRIPTION

T-PRO® 200 is acrylic copolymer specially formulated for non-traffic dust control applications, designed to form a flexible and durable skin over all soil surfaces. The product coats and seals the soil surface while binding transient particles as they land. It can be applied in all climates and dries quickly for rapid encapsulation of particulates and bonding to soil surface. T-PRO 200 is not easily disturbed and can withstand foot and occasional light vehicular traffic. T-PRO 200 provides excellent penetration characteristics and quickly locks the surface into a wind resistive cap.

4. COMPOSITION

T-PRO® 200 is a blend of high performance polymers and additives designed to agglomerate soil particles. T-PRO 200 is a unique, environmentally friendly product designed specifically for dust suppression and can be classified as:

- Environmentally safe
- Non-leaching or dissipating
- Non-hazardous
- Non-toxic to animals
- Non-inhibitive to plant growth
- Non-flammable
- Non-corrosive
- Non-tracking

5. BENEFITS

T-PRO® 200 can be used to effectively control particulate emissions on construction sites, solar farms, agricultural areas, landing fields, tailings stockpiles and many other areas. The water/polymer dilution ratio can be varied to adjust the application longevity from as little as four months to as long as two years. The product may be applied in a wide range of temperatures and with its quick drying technology, provides rapid control of dust and surface capping.

Major Applications

- Crop dust control
- Solar farms
- Wind farms
- Construction sites
- Tailings stockpiles
- Landfill capping
- Slope erosion
- Soil and aggregate stockpiles
- Retention basins

6. PACKAGING AND SHIPPING

The polymer can be shipped in 254 gallon (961 liter) totes. Shipping T-PRO® 200 does not require special handling or permits.

7. HANDLING AND STORAGE

When storing, keep product from freezing and direct sunlight. T-PRO® 200 should be stored in temperatures ranging between 40° F and 95° F (+5°C and +35°C) for best performance and to prevent separation.

8. LIMITATIONS

Product performance is based on soil properties. Some soils do not lend themselves to stabilization with polymers. Performance criteria should be established at the beginning of the project to delineate limitations of the application as a function of project specific variables. If you have any questions contact the Terratech technical department prior to use.

9. CHEMICAL PROPERTIES

Physical Form	Liquid
Color	White
Odor	Faint ester
Flash Point	Not applicable
Relative Density	8.9 lbs/gallon
Solubility in Water	Insoluble but miscible in all proportions
pH	7.5 – 9.0
Viscosity	800 mPa
Total Solids	45 - 47%
Specific Gravity	1.0
Minimum Film Form Temperature	23° C (73° F)
Particle Size	0.1 µm
Glass Transition Temperature	28° C (82° F)

10. ENVIRONMENTAL DATA AND MSDS

T-PRO® 200 is a water based dispersion of an acrylic copolymer. It contains non-hazardous components in accordance with an European Union directive 1999/45/EC. T-PRO200 has no eco-toxic effects, is non-bioaccumulative, and poses no long term health effects when properly handled in accordance with manufacturers instructions.

T-PRO 200 is:

- Water based
- Non-combustible
- Non-reactive
- Stable under recommended storage conditions

T-PRO 200 may contain low levels of volatile organic compounds or ammonia which evaporate during application and drying and therefore should always be handled in a well ventilated space. Standard personal protection rules apply when working with polymers, eye and skin protection should be worn when working with any type of chemical substance.

For a complete ecological information and handling instructions, please see the MSDS.

12. INSTALLATION

Standard use of T-PRO® 200 requires a topical application of a sprayed in-place polymer solution over a prepared surface. The application requires a minimum of 24 hours of cure time depending on weather conditions. The topical installation may involve a single spray-on application or several successive applications with varying polymer concentrations based on the infiltration characteristics of the soil.

13. WARRANTIES

Warranty information is project specific. Please contact Terratech for further information.

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Global Distribution

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