

SOILTOP

Soil Stabilizer and Dust Control

Description

SOILTOP is a mix of non-ionic environmentally safe co-polymer product with water in dispersed form. This new technology has excellent characteristics in stabilizing the soil surface once diluted with water and sprayed on the surface.

SOILTOP can be used for various types of application for stabilizing the soil with lower cost compared to other conventional products.

Features & Benefits

- Nontoxic and water-based product.
- Does not contaminate ground water.
- Harmless to both plant and animal life.
- Contains soil wetting agents.
- Fully compatible with organic mulch and water dispersible pigments.
- Excellent resistance to Ultraviolet rays.
- Excellent resistance to erosion.
- Penetrates to soil or other particulate materials.

Uses

SOILTOP is mainly used in the following applications:

- Dust control for open areas.
- Stabilize sand dune in desert.
- Erosion control for highway embankments.
- Rail ways and Roads
- Hydro-seeding.
- Landscaping, with the addition of suitable pigments and organic mulch.

Technical Properties

Appearance	White liquid dry to transparent film
Density	1050 Kg/m ³ approx.
Solid Content	25%
pH	5.5

Viscosity	300-350 mPa.s
Surface tension	40 mN/m
Freezing point	0 °C
Boiling point	100 °C

All values are subject to 5-10% tolerance

Standards Compliance

- ASTM D 7762, D 4609, D 4253
- ASTM C 136

Application Instructions:

Level and grade land as specified. Remove debris or any material that might obstruct spray application. Compaction of soil will improve its ability to bear pedestrian movement but this step is not essential to soil stabilization and dust control.

As far as possible, all construction within the area designed for stabilization should be completed in order to avoid subsequent vehicular traffic that will disturb the stabilized ground.

Suitable spray equipment should be used with the following essential features:

- A tank with light stirrer.
- A non clogging pump.
- Spray hoses and nozzles and overalls, Gloves and masks for the operators.

The equipment may be mounted on the deck of a truck or may be independent, wheeled vehicle drawn by tractor.

Mixing Instruction:

For better dispersion, dilute **SOILTOP** with water at a rate of 15% and use the mix as follows:

First option: Spray on the compacted surface of the soil at average rate of 1 Lit/m² depending on the soil's type.

Second option: Introduce the material through holes into the soil. 20 mm diameter holes are spread over the area at an average of 1 hole/m² - pour 1-1.5 Liter in each hole.

Third option: to mix the diluted stabilizer with Soil in ratio 5-10% then spread and compacted properly

Coverage

1 – 1.5 Ltr per m² depends on surface porosity and roughness or mixed in ratio of 5-10% with Soil

Packaging

SOILTOP is available in 200 Lt drums.

Cleaning

Clean the used equipment and tools with water.

Storage

Keep the product in dry and sheltered place at temperature between +5°C to +35°C. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

Health and Safety

Wear gloves, goggles to avoid any contact with eyes and skin. In case of splashes in the eyes wash abundantly with warm water and consult a doctor.

For further information or particular use, contact SBI Technical Department.

Quality & Care

All products produced in SBI facilities are manufactured under a management system certified to conform to the requirements of the quality and environmental health & safety standards ISO 9001 & ISO 14001.

REV 00 - 8006

SALES OFFICE : Dubai, Barsha, Rasis Business Center
FACTORY : RAK, Jazerat Al Hamra

Tel.+971 4 3999927
Tel. +971 7 2210066
Fax. +971 7 2433821
P.O.Box 14569
www.sbi-me.com , info@sbi-me.com