

CAPSOIL

SOIL STABILIZER TO PREVENT SOIL EROSION

DESCRIPTION

CAPSOIL is a water based soil stabilizer intended to suppress and control drifting sand dunes. Specially formulated by emulsifying bitumen along with additives like adhesion and penetration promoters and wetting agents.

FEATURES

Due to the property of CAPSOIL to penetrate deep into the soil and to form a continuous film on the surface, the soil movement is highly stabilised. CAPSOIL is environmental friendly and can also be applied to areas prone to hazardous situations.

USES

- Stabilization of open desert sand for the purpose of suppressing sand storms and for controlling sand dunes.
- Erosion control of highway embankments and pipeline embankments.
- Dust control on construction sites and military areas.
- Prevention of sand encroachment to highways.

ADVANTAGES

- CAPSOIL is free of solvents and harmful materials and thus it does not contaminate ground water or cause any form of environmental pollution.
- Its excellent resistance to ultraviolet light and to erosion assures long life.
- Harmless to both plant and animal life and therefore ideally suited for hydroseeding and for developing ground cover.
- Non-toxic to operator.
- CAPSOIL is water resistant upon curing and is therefore unaffected by rains.

TYPICAL PROPERTIES

Appearance:

Brown liquid drying to black .

Specific gravity:

Approx. 1.01

PH:

10 to 11

Non volatile matter:

Min. 10%

Solubility in water:

Infinitely miscible.

Toxicity:

Non toxic.

Flammability:

Non flammable.

Shelf life:

Minimum 12 months in sealed original containers, under recommended storage conditions.

DIRECTIONS FOR USE

Level and grade land as per the requirement. Remove debris such as cans, bottles, plastic sheets etc. as these will 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 complete in order to avoid subsequent vehicular traffic disturbing stabilized ground.

Erosion control / soil stabilization equipment:

For proper application it is advisable to use hydro mulching or pressure spray equipment from an established equipment manufacturer. The equipment shall have a built-in agitation system and operating capacity sufficient to agitate, suspend and homogeneously mix at one time with long spray bar and suitable spray nozzles.

APPLICATION

The following are the major factors usually considered when determining the proper application rate for a project:

- Degree of slope.
- Type of soil.
- Degree of compaction of soil surface.
- The types of erosion causing force acting on the area to be treated and their severity.

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Guide line for application of CAPSOIL for 100m²

| | CAPSOIL | Water |
|---|---------|--------|
| Soil stabilization and dust control | 75 lts | 25 lts |
| Wind and water erosion, control on slopes and embankments | 100 lts | --- |
| Landscaping including slopes and embankments. | 125 lts | --- |

PACKAGING

CAPSOIL is supplied in 15 kg pails, 200 kg drums, I.B.C's or in bulk by special arrangement.

STORAGE

- Store in sealed conventional containers, protected from extreme weather conditions.
- Stir well before use, if stored for a long time.
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SAFETY PRECAUTIONS

- CAPSOIL is non-flammable and non-hazardous in normal use.
- When the product is wet, it should be removed from skin by soap and water. But when dry, suitable cleansers like petrol, diesel oil etc. should be used.
- Splashes to eyes should be washed immediately with abundant water.

CLEANING OF TOOLS

- Circulate water through the system until clear water comes out through the nozzle.

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TECHNICAL SERVICE:

Our Technical Service Department is available at any time to advise you in the correct use of this product or any other Ahlia products.

Note: The information presented herein is based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because results depend not only on quality but also on other factors beyond our control.

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