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PRODUCT DATA SHEET

SOILOC - MQ™

LIQUID DUST SUPPRESSANT FOR MINES & QUARRIES (pm-10)

1.0 Material Description: Polymer:

SOILOC-MQ is an economical, liquid blend of acrylic resins. It is supplied in a milky white, highly concentrated form to be diluted with water prior to use. Dries clear. Environmentally safe. Non-corrosive to metal. Meets all requirements for non-asphaltic emulsions.

2.0 Intended Use:

SOILOC-MQ is intended to be used on mine & quarry sites. It is designed to be sprayed over disturbed soil, haul roads, sand, coal, coke, ore, lime, slag, ash & other fine powders. When dried the material forms a crusty seal reducing airborne dust (PM-10) and erosion. It can be applied with standard hydraulic equipment including hydro-sprayers & water trucks.

3.0 HAUL ROAD DUST CONTROL:

Application Method A: (Regular watering using SOILOC-MQ concentrate as additive):

In some cases surface watering is still the best method to control dust. When repeated waterings are planned SOILOC-MQ can be applied as an additive. To water. Mix 1 gal concentrate with 500 gal water and apply at .75 gal / s.y. With repeated applications the additive will build up. This is an economical way to immediately slow evaporation, improve penetration and over time create a highly stabilized surface.

Application Method B: (Mixing & rolling):

- Grade surface for positive drainage. Loosen to 1"-4" of surface material to improve penetration.
- Mix 1 gal concentrate with 20 gal water and apply at .75 gal/s.y.
- Roll to increase penetration and compaction.
- Apply second coat: Mix 1 gal concentrate with 15 gal water and apply at .50 gal/s.y.
- Roll again.
- Subsequent maintenance applications can be applied following "Application Method A" above.

4.0 STOCKPILE COVER:

(Soil, sand, coal, coke, ore, lime, slag, ash, fine powders)

Application rate: Covers 1 acre:

SOILOC-MQ (Concentrate)	Water
1st coat: 55 - 110 gal	2,000 gal
2nd coat: 55 - 110 gal	1,500 gal
3rd coat: 55 - 110 gal	1,000 gal

*Use above application rates as general guidelines. Use higher dilution rates for more absorbing soils.

5.0 Drying Time:

3 hours - 48 hours depending on temperature, humidity, and surface moisture content. Do not apply when temperature is below 40 degrees F or rain is imminent.

6.0 Packaging:

330 gal totes, 55 gal steel drums, 55 gal fiber drums, 5 gal. pails.

7.0 Caution: HARMFUL IF SWALLOWED!

7.1 Storage: KEEP FROM FREEZING!

7.2 Clean-up:

All equipment can be cleaned with water if clean up occurs immediately after application.

7.3 HERCULES ENVIRONMENTAL produces several different dust control chemicals. For additional information, please contact distributor.