

# Products Available for Controlling PM10 (Last Update: October 2002)

Per Rule 8011 – General Requirements, any chemical or organic material used for stabilizing solids shall not violate State Water Quality Control Board standards for use as a soil stabilizer. Any material prohibited for use as a dust suppressant by the US Environmental Protection Agency, the California Air Resources Board, or other applicable law, rule or regulation is also prohibited under Regulation VIII. Hygroscopic materials may be prohibited in areas lacking sufficient atmospheric moisture of soil for such materials to effectively reduce fugitive dust emissions. The atmospheric moisture of soil is considered to be sufficient if it meets the application specifications of the hygroscopic product manufacturer. Use of such materials may be approved in conjunction with sufficient wetting of the controlled area.

Table 1: The suppressant categories listed here have been found to meet the 50 percent PM10 control for a Fugitive PM10 Management Plan. In addition, these products may be effective in limiting visible dust emissions and maintaining a stabilized unpaved road surface. **The products and brand names mentioned below are for information purposes only, and should not be considered a complete listing of all the available products, nor as an endorsement of any of the products listed.**

Suppressant Category	Product Common Name
<b>Hygroscopic Suppressants</b>	
Calcium Chloride .....	Calcium Chloride Liquid Calcium Chloride Flakes Dowflake Liquidow
Magnesium Chloride .....	DustGard Dust-off Chlor-tex
Blend of Calcium & Magnesium .....	Dust Fyghter
<b>Adhesives</b>	
Lignosulfonate .....	DC-22 Dustac, Dustac-100 Cal Binder Lignin Sulfonate Polybinder RB Ultra Plus
Calcium Lignosulfonate .....	Weslig-120
<b>Petroleum Emulsions</b>	
CSS-1 Retain Duo Prime Oil Dust Devil EnviroKleen Asphotac Coherex	DOPE-30 PennzSuppress-D* Penetrating Emulsion Primer (PEP) Petro Tac Road Pro Sandstill FlowPro 1505
<b>Polymers Emulsions</b>	
Coherex PM Blend R40 Series DC-1000 DSS-40 Eco-Polymer Earthbound L ECO-0110 and C-50 PolyPavement Liquid Dust Control Marloc	Soiloc-D Soil Seal Soil Sement* TerraBond PolySeal Terrafirma Aerospray 70A Soil Master WR Top Shield SR400

# Products Available for Controlling PM 10 (continued)

Suppressant Category	Product Common Name
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**Bituminous Materials (Road Oil)** \_\_\_\_\_

- SC- 80
- SC- 250
- SC- 350
- SC- 800
- Oil Sand

Table 2: The following suppressant categories have not been demonstrated to achieve the 50 percent PM10 control, but may be useful in limiting visible dust emissions and maintaining a stabilized unpaved road surface.

**Electro-chemical** \_\_\_\_\_

- |               |   |
|---------------|---|
| Enzymes ..... | Bio Cat 300-1<br>EMCSQUARED<br>Perma-Zyme 11X<br>UBIX No. 0010  |
| Ionic.....    | Road Bnd EN-1<br>Terrastone<br>CBR Plus<br>Condor SS<br>SA-44<br>Settler<br>TerraBond Clay Stabilizer |

**Fibers and Mulches** \_\_\_\_\_

- Agri-Fiber
- A/F 2000
- Fiberwood
- Fibercraft
- Stabilizer
- Dewatered Residual Wood Fiber
- Soil Guard
- Excel-Fibermulch II
- Cellulose Fiber (M-Binder)
- Sentinel

**Unclassified** \_\_\_\_\_

- AGRI-LOCK and DUST-LOCK
- Airtrol Plaster
- EnviroCycle
- Dust Buster Systems
- Dust Sorb 1118
- Organic Soil Stabilizer
- POX-O-CAP lime mixture
- Sandcastles Dust Control Mix
- Hydroshield (endosperm product)
- Sodium Silicate
- Raybinder

\*“Pre-certified” by the Air Resources Board; “Certified Technology” by the California Environmental Protection Agency.