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Product Data Sheet

BIOCOTE® **Corn Based** **Dust Suppressant Liquid and** **Roadbed/Soil Stabilization Aid**

NON – CHLORIDE, NON - CORROSIVE

BIOCOTE® is a cost-effective dust suppressant and soil stabilizer that can be used in a variety of application methods to create a more durable aggregate surface with increased load-bearing capacity. Typical materials that have been successfully treated with BIOCOTE® include soil, aggregate blends and chip-and-seal surfaces.

BIOCOTE® is a biodegradable, nontoxic and environmentally safe product derived from natural ingredients. BIOCOTE® is derived from renewable resources providing a sustainable and environmentally sensitive alternative.

TYPICAL PROPERTIES

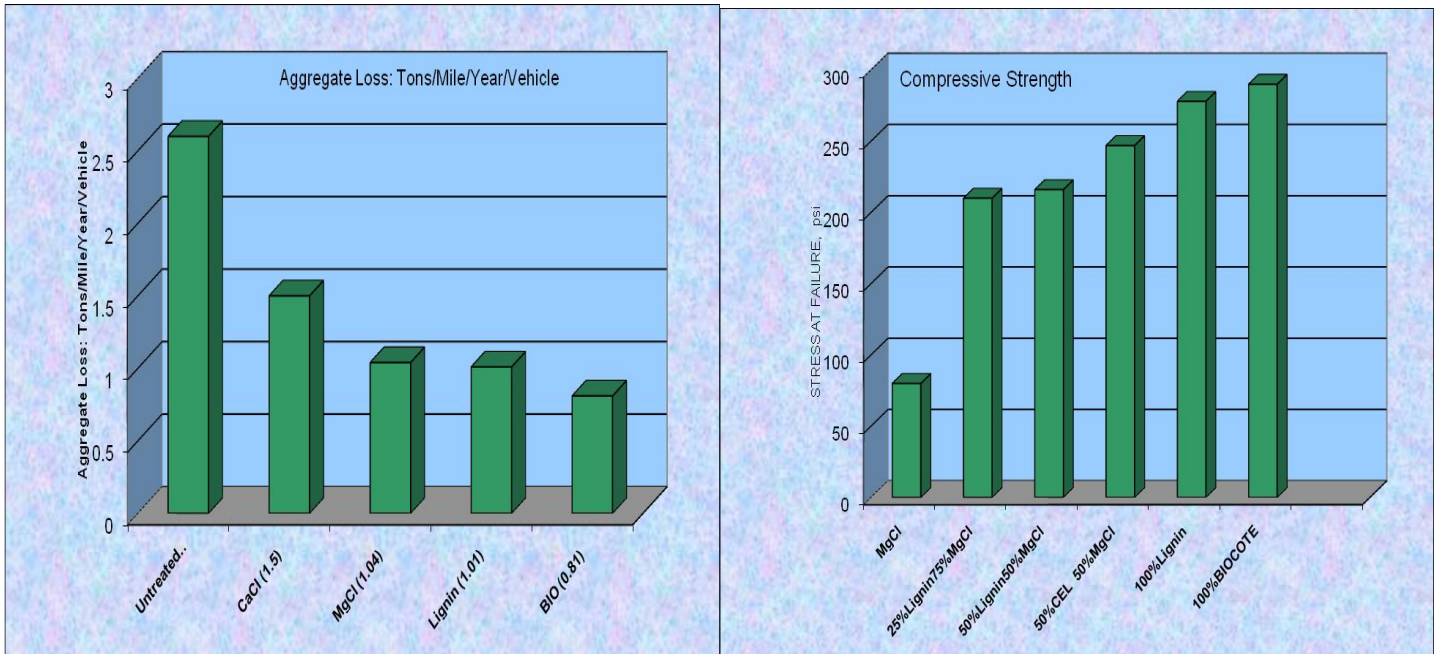
Appearance	Brown Liquid
Specific Gravity	~1.14
pH	5.5 – 7.5
Water Miscibility	Complete

APPLICATIONS

Dust Suppressant



Simply water the surface at 0.25 – 0.5 gal / linear foot before application of BIOCOTE®, Typical industrial application rate of BIOCOTE® 1.0 gal / Linear foot. Typical linear foot 1'x14' (1.5 sq. yd.) BIOCOTE® application rates will vary depending upon the surface material composition and compaction. For best results, BIOCOTE® must be applied to a surface that is adequately drained, well-grated, crowned and compacted. Moisture content and precipitation during and immediately after application may affect results. Recommend 24 hrs drying time, 48 hrs optimum drying time, before next expected precipitation.



Roadbed Stabilization

- Scarify or pulverize the aggregate surface to a 1 – 2 inch depth.
- Water as needed and apply BIOCOTE®. 1-3 gal / yd².
- For best results, roll the aggregate surface to compact.

Treating road and parking lot materials with BIOCOTE® for dust control is a simple process. It is commonly used as a cost-effective seasonal treatment. Topcoat re-treatments with BIOCOTE® at full strength or diluted can be used as needed to maintain the benefits of the initial application.

Full Stabilization

- Scarify or pulverize the surface to a 4 – 6 inch depth.
- Water as needed and apply BIOCOTE®. 3-5 gal / yd².
- Regrade to mix well. Crown the surface as needed.
- Roll the surface to compact.
- Apply a topcoat of BIOCOTE®. 0.5 – 1.0 gal / linear foot (linear foot 1'x14' or 1.5 sq. yd.)

This method creates a resilient and durable surface with load-bearing ratios comparable to 3 to 5 inches of asphaltic concrete. It is used to treat road bases before paving or to provide a longer lasting surface without paving. For high-traffic surfaces, full stabilization offers the best results. We recommend regular maintenance by top coating with BIOCOTE® to keep surface material bound on unpaved traffic areas.

Performance - The Product of Choice: BIOCOTE® corn based

- Dust Control calcium and magnesium chlorides work by holding moisture in the roadbed. BIOCOTE® works by coating and binding surface material. This treatment rejuvenates with moisture, is easy to maintain, keeps dust particles bound and offers a superior surface.
- Encapsulates / Plastics get brittle, shatter, wash away and are poor for the environment. BIOCOTE® creates a more flexible surface and is environmentally safe.
- When BIOCOTE® is used on gravel roads, it eliminates the high cost of adding fresh gravel and frequently grading.
- Chip-and seal surfaces last much longer when BIOCOTE® is used to treat the road base. In actual applications, chip and seal surfaces last up to twice as long when applied onto a BIOCOTE® treated base.
- To get more life out of expensive asphalt material use BIOCOTE® to stabilize the road base before paving. Asphalt paving lasts two times longer with BIOCOTE® treated base vs untreated bases.

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