

Eco-Safe Dust Guzzler



Cutting edge eco-friendly high-performance dust suppressant liquid with proprietary 4 System Mode of Action. Provides superior dust suppression while saving costs and increasing on-site safety.

Description:

Dust Guzzler dust spray is a high content organic polymer liquid product aimed at road dust management applications for mines, farms and rural roads. It provides vast cost savings while significantly increasing on-site safety. Dust Guzzler dust spray can simply be sprayed onto any type of soil surface whether it has been treated previously or not. It gives instant and superb results.

Organic Polymer Technology

Organic polymers form key structural materials in the support tissues of vascular plants, woods and some algae. They are particularly important in the formation of cell walls, especially in wood and bark, because they lend excellent strength and rigidity, and do not rot easily. Organic polymers are one of the most abundant organic polymers on the planet. Eco-Safe's organic polymers are derived in a proprietary and eco-friendly

process from natural and sustainable origins.

Dust spray Liquid:

Dust Guzzler dust spray liquid is a highly concentrated organic polymer containing liquid which has neutral pH properties. It is intelligently formulated with 4 proprietary technologies allowing the product to perform better than conventional technologies while remaining environmentally friendly. When combined Dust Guzzler dust spray's 4 System Mode of Action provides for unsurpassed dust suppression and soil binding properties.

4 System Mode of Action

Dust Guzzler dust spray has a unique 4 System Mode of Action for dust suppression which gives it its superior performance properties.

Charge Attraction Technology: The particles in soil naturally have the same charge on a microscopic level. As with a magnet, when applying two of the same polarities, the magnets repel each other. Dust Guzzler dust spray incorporates proprietary charge shifting technology which intelligently alters charges to form a natural and powerful attractive bond, just like when the magnet is flipped around it naturally attracts. Over billions of microscopic charges this forms a very powerful and lasting bond.

Organic Polymer Glue: The organic polymers in Dust Guzzler dust spray are specially stabilized and formulated to act as natural glue to bind fines and soil aggregates together, and the organic polymer traps moisture which retards evaporation thus prolonging the wetting effect. The binding action is further uniquely aided by presence of natural sugars which are derived from matrix polysaccharide breakdown.

Soil Penetrating Agents: Proprietary and specially tested and designed soil penetrating agents lower the surface tension between liquid and solid particles, acting as highly efficient wetting agents. These specially designed agents are chosen for their scientific ability to work synergistically and more effectively together than existing technologies. Effective wetting of dust particles suppresses the tendency for fines to become airborne and aid very significantly with compaction.

Plasticizer: Dust Guzzler dust spray contains precisely calculated amounts of organic polymers which acts as a disperser in a matrix of fines and clay to disperse clay particles effectively for improved plasticity at lower moisture levels, leading to greatly reduced abrasion and erosion. This allows for denser and firmer compaction of the road surface. As an ongoing benefit, Eco-

Tel: 087 057 7299

Cell: 062 276 9104

Email: info@safewaste.co.za

www.safewastesolutions.co.za

ECO-SAFE
by SAFE WASTE SOLUTIONS (Pty) Ltd.

Eco-Safe Dust Guzzler



Safe's organic polymers continually leach into the road matrix.

Cost Savings:

Dust Guzzler dust spray offers savings in significantly reduced water usage and road maintenance, improved vehicle tyre lifespan and fuel consumption, reduced vehicle wear and tear as well as increased uptime. For farmers there is a massive reduction of dust formation on crops.

Increased Safety:

Dust Guzzler dust spray improves driving conditions, visibility and braking ability, and reduces occupational hazards such as silicosis, asthma and cancer.

Environmentally Friendly:

Dust Guzzler dust spray is completely environmentally friendly, biodegradable and manufactured from completely renewable resources.

Benefits Summary:

Savings: The correct application of Dust Guzzler will provide the following savings:

- Water usage
- Improved crops
- Road maintenance
- Improved vehicle tyre lifespan
- Fuel consumption
- Reduced wear and tear on vehicles

- Increased uptime and operating hours.

Safety: The correct application of Dust Guzzler will improve safety due to:

- Improved driving conditions (visibility and braking ability)
- Reduction in occupational hazards such as silicosis, asthma and cancer.

Environmental: Dust Guzzler is environmentally friendly, biodegradable and manufactured from renewable resources.

Compaction vs Spray

This brochure refers to Dust Guzzler dust spray, a dedicated product for spraying road surfaces to control dust. For compacting and stabilizing a road prior to applying the dust spray and the numerous advantages it offers, please see Permazyme 11x Soil Stabilizer.

Dilution & Application :

Please see our dedicated Application Guide.

Packaging, Shelf Life, Storage:

Dust Guzzler dust spray liquid is stable for 24 months from date of purchased. Store at ambient temperature out of direct sunlight. Packaged in 25 L Plastic Drums or 1000L Flow Bins.

Tel: 087 057 7299

Cell: 062 276 9104

Email: info@safewaste.co.za

www.safewastesolutions.co.za

ECO-SAFE
by SAFE WASTE SOLUTIONS (Pty) Ltd.

eco
APPROVED
CHOICE