

AquaSmart®

Dust Eliminator *Bioplex Active*



An environmentally friendly range of products to assist in the elimination of dust hazards.

A highly reactive surfactant additive for atomised misting, fogging and drenching solutions to control hydrophobic and other fugitive dusts:

- Drilling, blasting, sweeping and other underground hazardous dust production activities.
- Rock crushing, screening, grinding, milling and pulverising of ore during processing
- Ore transport and handling via hoppers, conveyors, trucks and skips.
- Reductions in water use compared to standard sprinklers of >80%



Another WaterWise® product from Aqua-Sciences

AquaSmart®

Dust Eliminator *Bioplex Active*



An eco friendly surfactant additive to water for the improved control of hydrophobic (water rejecting) and other fugitive dusts.

Normally utilising water, misters, foggers and drenchers are used during day to day mining and ore production operations to suppress the emission of dust wherever possible. They are also an ideal method to control any fugitive airborne dust, eliminating the dreadful impacts of this rogue dust on human health and safety, and immediately reducing the detrimental effects of fine dust particles on the environment.

General Hydrophobic dust control

BioPlex Active is a unique formulation of complexed surfactants. BioPlex Active is a simple and cost-effective additive to water control measures that will reduce water surface tensions, thereby improving the wetting capability of water droplets and increasing fugitive dust capture efficiency. Micro-dosing of BioPlex Active at rates as low as 1:10000 into the water supply side of your dust control mechanics can be expected to increase the efficiency of water usage by up to 80%.

Coal mining seam dust control

Coal mining Studies have shown that the addition of BioPlex Active into coal seam water injection systems, can improve control of total dust emissions by amounts upwards of 60 % when compared to water only injection.

COMPOSITION

BioPlex Active is a proprietary and environmentally friendly complex of ionic and non-ionic surfactants, and inert ingredients.

APPLICATION RATES

Micro-dose into the low pressure input side of drenchers, misters and foggers at rates from 1:5000 to 1:10000 depending on dust control requirements, mechanical control equipment, type and quantity of fugitive dust and current environmental conditions.

Please consult with your local representative for any proposed or required variations from standard usage rates.

BioPlex Active is completely non-toxic, non-corrosive and environmentally friendly, resulting in safe and suitable application to all industrial, agricultural and normal workplace areas.

- Environmentally friendly, non-toxic and non-corrosive
- Highly recommended for control of all hydrophobic dusts
- Fully water soluble, and can be applied with your existing / standard spray equipment
- Will have no adverse effect on adjacent vegetation or water bodies.

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