



# High range dust suppressant

CHRYSO<sup>®</sup>ECO DUST

INCREASE ROAD VISIBILITY AND GRIP BY  
CREATING A DUST FREE ENVIRONMENT.

Innovative solutions with low cost  
application and maintenance.

# What are the challenges

Water is regarded the cheapest treatment of dust; however, the frequent re-application of water proves this method to be the least productive and not so cost effective in the long run. With the scarcity of water, most industries have a responsibility to focus on changing their practices to more environmentally friendly methods for the sustainability of water.

There is also a growing concern for dust emissions generated during mining/ construction and traffic on gravel roads which needs to be controlled on a continuous basis. As it is highlighted in Section 8 of the Occupational Health and Safety Act, Act No. 85 of 1993, as amended, places the onus on the employer to provide and maintain, as far as is reasonably practicable, a working environment that is safe and without risk to the health of his employees.

## Dust affects us in various ways:

- **Safety** (loss of visibility can lead to accidents).
- **Health** (inhalation of dust affects our respiratory system).
- **Productivity** (impaired equipment and poor visibility leads to a halt on site).
- **Vegetation** (decreased transpiration and increase in heat absorption).
- **Aquatic** (aquatic fish and plants cannot adapt to high levels of dust sedimentation).

# The Chryso solution

We have a range of soil stabilisers that are natural polymers. They are both biologically degradable and environmentally safe. We can assist by calculating your costs per m<sup>2</sup>, and can supply in small quantities for your convenience.



## Areas of use

- Unpaved Roads (gravel, haul, farm, quarry, game reserve, dust-sensitive agricultural and forestry, residential).
- Road Stabilisation (runways, airstrips, heli-pads).
- Mine and Industrial dust suppression (stockpiles, mine dumps and tailings, quarries).
- Other (paddocks, sport fields, construction sites, manufacturing facilities).
- **Easy application and safe to use.**
- **Less fuel and water usage with reduced man hours.**



# Application

- Profile and scarify surface (100 – 150 mm depth).
- Pre-wet surface with water and leave to penetrate.
- Use an initial 15 or 20 % solution and apply to the surface with a water/tank truck with a rear mounted distribution bar that spreads the liquid evenly. The aim is to form a 5mm crust.
- Contact a Chryso representative for advice on the most suitable solution.
- **100% natural, all-purpose liquid soil additive.**
- The durability of the treatments is determined by the depth of the penetration into the ground, evenness of application and mix ratio.
- A 5mm crust is recommended.
- No need for compaction.
- Eco Dust is not pH-dependant therefor can be diluted with low pH or alkaline water.
- **UV resistant and VOC free.**
- **Diluted with water for ultra low concentration application.**



# Maintenance

- Quality of the base material.
- Climate conditions.
- Volumes and type of traffic.
- **Factors influencing intervals between maintenance applications and life time of surface.**
- **High rainfall tolerance and reduces erosion.**

# Chryso® Eco Dust Range

## ➔ Chryso® Dust Primer

High range dust suppressant – surface primer that is a co-product of cellulose production that aids as a binding additive.

---

## ➔ Chryso® Eco Dust 200

High range dust suppressant – surface sealer that is an emulsified dust lubrication system that aids in suppression of rising dust particles and spores.

---

## ➔ Chryso® Eco Dust 100

High range dust suppressant – a fine particle size surface poly-adhesive that exhibits excellent dust binding and prolonged water resistance properties.

---

## ➔ Chryso® Eco Dust Oil

High range dust suppressant – an emulsified surface lubricant that coalesces particles to form a dust suppressing film.

---



### COALESCING OF RISING DUST,

increasing road visibility and grip



### STABILISATION OF DUST,

eliminating grading and watering



### COMPLETE DUST SUPPRESSION,

creating a dust free environment



### LOW COST APPLICATION & MAINTENANCE,

compared to paving or tar roads

## CHRYSO SOUTHERN AFRICA

Head Office • 26 Malcolm Moodie Crescent  
Jet Park • South Africa • Tel: +27 (0) 11 395 9700  
[za.chryso.com](http://za.chryso.com)

## CHRYSO EASTERN AFRICA

Kenya Office • Kibhare Centre  
Mombasa Road • Nairobi • Kenya  
Tel: +254 725 041 526  
[ke.chryso.com](http://ke.chryso.com)