



# GRT:Soil-Loc Technical Data Sheet



## Broad Scale Dust Suppression - A Little Goes a Long Way!

**GRT: Soil-Loc** is a cost effective, broad-scale wind erosion technology designed to protect soil when it is most vulnerable. High seasonal winds or storm events can remove as much as 50-100mm of precious topsoil from exposed surfaces causing land degradation and offsite transport of unwanted or even contaminated materials.

**GRT: Soil-Loc** protects the top layer of soil, waste materials, or large resource stockpiles ensuring materials are protected from wind as well as blast from wind-borne soil.

### Application

1. Calculate the surface area to be treated and determine the amount of **GRT: Soil-Loc** required for the time frame you require for dust suppression: (Increase rates where adverse weather is anticipated)
2. Slowly add **GRT: Soil-Loc** to agitated or flowing water. Mix for 15 mins in total allowing for the long chain polymer to solublise completely.
3. Aim for 2L/m<sup>2</sup> of diluted solution applied.

Time frame required for dust suppression (months)	Recommended GRT: Soil-Loc minimum application rate (mL/m <sup>2</sup> )
1	2
3	4
6	6
12	8

4. Spray product using hand spray, boom sprays, reticulation systems or a water truck. Ensure spray rate is monitored to achieve the desired coverage of 2L/m<sup>2</sup> of diluted product.

### Handling & Storage

No special handling measures are necessary provided product is used correctly. Take precautionary measures against static discharges to protect against fire and explosion. Note: when storing material, freezing will affect the physical condition but will not damage the materials. If frozen, thaw out slowly and stir well before use. Store in unopened original containers in a cool and dry place. Avoid wet, damp or humid conditions, temperature extremes and ignition sources. Avoid extreme heat. Store between 0°C - 40°C. Spilled pure product is slippery underfoot, very slippery when wet.

### Helpful and Handy Hints

- Always add **GRT: Soil-Loc** to moving water. Never add water to **GRT: Soil-Loc** as it will thicken to an unworkable consistency.
- The nature of the long chain polymer (LCP) is that it will take approximately 30 minutes to activate once added to water
- Once solubilised in water, the product will change the pattern of sprayed water to reduce drifting of fine droplet spray. (i.e.: water lands where it is sprayed).

## KEY BENEFITS

- **Low cost:** the cheapest and most effective insurance on the market!
- **Effective:** technology is a proven performer in the resource sector both locally and internationally.
- **Simple:** - Apply through your existing truck-based or other spray systems.
- **Ultimate Product** - Solves wind and rain erosion problems – keeping your soil where you need the most!
- **Environmental** - Product is safe for the environment, and stops the migration of fugitive dust into receiving waters and other sensitive ecosystems.



## Quality Assured

GRT's quality management system is certified to ISO 9001 standards, and our products are approved and used by Industry leading companies, worldwide.

