



Extreme Green Dust Suppressant

Bio-derived dust suppressant & soil stabiliser

Extreme Green Dust Suppressant From Envirosafe Solutions is a bio-derived dust suppression and soil stabilisation solution designed for unsealed roads and surfaces in mining, civil construction, quarrying, and industrial operations. Formulated using lignosulfonate—a natural polymer derived from lignin in the pulp and paper industry—Extreme Green Dust Suppressant works by binding fine soil particles, retaining moisture, and stabilising the road surface. This process prevents fines from becoming airborne dust, improving road durability while reducing watering frequency, maintenance costs, and equipment wear. The result is safer operating conditions, better visibility for operators, improved environmental compliance, and a more sustainable dust control solution manufactured in Australia by a 100% Indigenous-owned chemical company.



Significant reduction in airborne dust



Lower road maintenance requirements



Improved haul road stability



Improved operator visibility and safety



Reduced water cart frequency



Reduced equipment wear from dust ingress

Environmentally Safe



Bio-derived lignosulfonate from renewable lignin. Biodegradable and lower environmental impact compared to chloride salts, bitumen emulsions or synthetic polymers. Supports circular resource use.

Performance Efficacy



Highly effective at suppressing dust by stabilising fines rather than temporarily suppressing dust like water. Proven lignosulfonate chemistry used globally for decades.

Personal Safety



Raw lignosulfonate is classified as non-hazardous and not dangerous goods. Minimal PPE required and low toxicity risk when handled according to standard industrial practices.

Transport Safety



Not classified as Dangerous Goods for road, rail, sea or air transport, which simplifies logistics, storage and site handling.



PACK SIZES:

Product	Size	Code
Extreme Green Dust Suppressant	1000L	EVS-DUSTSUP

Extreme Green Dust Suppressant

Bio-derived dust suppressant & soil stabiliser

DIRECTIONS FOR USE:

Dilution Guide (Self Diluting/ Manual Mixing)

Application	Dilution Ratio	Typical Rate (L/m ²)	Notes
Initial Application	1:4 – 1:8 dilution (Extreme Green Dust Suppressant : Water)	1.8 - 2.0 L/m ²	Heavier application rate for initial dispersment on haul roads and construction access roads.
Follow Up Applications	1:6 – 1:10 dilution	1.0 - 1.5 L/m ²	Most common application rate for mine haul roads and construction access roads to maintain fines.
Mix-In Soil Stabilisation	Product blended directly into soil during road construction or rehabilitation.	1.0 – 2.0 L/m ² equivalent	Applied into the road layer during construction or rehabilitation.

Application Method

Example Water Cart Application

A typical surface spray treatment might use:

- Dilution: 1:4 to 1:10 with water
- Application: 1.0 - 2.0 L/m² total solution
- Coverage:
 - 1,000 L water cart covers roughly 1,200–1,600 m² depending on rate.

Practical Rule of Thumb (Mining Sites)

For haul roads:

- Initial treatment: - 1.8-2.0 L/m²
- Maintenance spray: - 1.0-1.5 L/m²

Factors That Change the Rate

Rates may increase when:

- traffic volume is high
- road fines content is low
- climate is very hot or dry
- road speeds are high
- surface is extremely dusty.

Simple operator guideline:

Initial treatment: - 1.8 L/m²
Maintenance: - 1.2 L/m²

TYPICAL APPLICATIONS:

Primarily used on:

- Unsealed haul roads
- Mine site access roads
- Civil construction roads
- Quarry roads
- Stockpile areas
- Industrial yards
- Temporary access tracks
- Bulk transport yards

Suitable for mining, civil construction, quarrying and heavy industrial operations where dust generation from unsealed surfaces is present.

Technical Data

Appearance:	Dark coloured, slightly viscous liquid
pH (neat):	5.5 - 7.5
Odour:	Mild / characteristic lignin odour
Specific Gravity @ 20°C:	1.23 - 1.25

Safe Handling & Storage Instructions

SAFETY & HANDLING

- GHS Classification
- Not classified as hazardous under Safe Work Australia GHS
- General Safety
- Avoid eye contact and prolonged skin contact
- PPE recommended during bulk or extended use
- Wash hands after use
- Refer to the Safety Data Sheet (SDS) for full safety information.

STORAGE & DISPOSAL

- Store in a cool, dry, well-ventilated area
- Keep container sealed when not in use
- Dispose of contents and container in accordance with local regulations
- Do not reuse container unless thoroughly decontaminated

TRANSPORT & REGULATORY INFORMATION

- Not classified as Dangerous Goods
- No UN number allocated
- Compliant with ADG, IMDG and IATA
- SUSMP: Not scheduled

Our Story

Envirosafe Solutions manufacturers chemicals under license from a 9001 certified, Aboriginal Owned, Chemical Manufacturer based in Malaga, Western Australia.

Envirosafe Solutions support this Aboriginal Business, our mission is to lead with passion & respect, the empowerment and growth of Indigenous People & Business' through the manufacturing of Australia's most innovative & highest quality products.

Your support in purchasing this product is directly, positively impacting Aboriginal people across Australia as we share a percentage of our sales with our traditional land owner partners or organisations that support initiatives in remote Indigenous communities.

Thankyou for your support and for helping us make a positive impact!