

Breakthrough dust suppressant by RST Solutions now on market offering advanced technologies and simplified application

DUST dis-SOLVE is a breakthrough dust suppressant with a simplified application method providing optimal dust control for roads and other high trafficked areas.



Gold Coast, Queensland Jun 25, 2024 ([IssueWire.com](https://www.issuewire.com)) - [RST Solutions](https://www.rst-solutions.com) is revolutionising dust control on an industrial scale with the latest advanced dust control technology DUST dis-SOLVE now available after months of rigorous testing.

A strong, enhanced alternative to bulk liquid products, DUST dis-SOLVE eliminates the need for complex liquid dosing systems, offering easier application for the mining, quarrying and civil construction industries, in various environments including underground exploration and tunnelling.

Packaged in convenient water-soluble bags, the concentrated effervescent dust suppressant is easily dropped into watercarts while being filled, with each 500-gram bag treating up to 20,000 litres of application water.

Leading fine particle specialist RST Solutions has been working with a major civil construction company and mining companies to design an advanced solution for road dust management that is sustainable, effective and hassle-free.

RST Solutions Operations and Technical Director David Handel says DUST dis-SOLVE is the result of months of development, with final tests showing it can halve watering requirements or double the area a water cart can treat.

“DUST dis-SOLVE is one of our most advanced dust suppressants for roads and trafficked areas and the results show that it is highly effective in improving logistical efficiency, reducing product consumption and simplifying handling and storage.

“One bag dissolved in every load can quickly achieve significant reductions in water usage with superior dust mitigation. This amounts to significant cost savings and logistical efficiency.

“By reducing the amount of water needed to suppress dust and remaining active for longer, DUST dis-SOLVE provides an economic and versatile solution for controlling dust on roads and other trafficked areas.

“Our ongoing commitment to research and development to address unique fine particle issues presented by some of Australia’s largest industrial projects is the catalyst for products like DUST dis-SOLVE that we designed in response to requests for a more simplified setup and less equipment needs.”

DUST dis-SOLVE is a highly effective concentrated effervescent dust suppressant, tailored for all road and trafficked area watering applications.

Supplied in convenient water-soluble bags for effortless deployment, DUST dis-SOLVE eliminates the need for complex liquid dosing systems. Added to watercarts at a dosage rate of 500 grams per 20,000 litres of water, DUST dis-SOLVE aggregates fine dust particles into larger, manageable forms to extend the longevity of water usage and enhance water cart utilisation for optimal efficiency.

Furthermore, it is resistant to freezing conditions ensuring reliable performance anywhere in the world, all year round.

RST Solutions recommends using DUST dis-SOLVE in every load to quickly achieve significant reductions in water usage with superior dust mitigation. This reduction offers the flexibility to either reduce watering frequency or expand the coverage area of a watercart.

Versatile enough to tackle various environments, DUST dis-SOLVE is particularly ideal for underground mining infrastructure and civil applications due to the convenient water-soluble bags requiring hassle-free application and management compared to liquid alternatives.

Tests have proven DUST dis-SOLVE’s powder form is compatible with freezing conditions. The granules inside the soluble bags don’t freeze like liquid additives, providing easy dosage to application water for spraying in freezing temperatures.

DUST dis-SOLVE meets health and safety standards while offering superior dust suppression in all types of challenging weather.

RST Solutions specialises in supplying alternative methods tailored specifically to a project and the materials being mined or used on site as well as mining and construction processes, a site’s application equipment and systems, local weather patterns and budget parameters.

With three decades of experience gained from developing tailored solutions for the many various fine particle challenges presented across numerous industries, processes and material types, RST Solutions has the expertise to solve complex site-specific fine particle issues for companies seeking more project optimisation strategies on a range of projects.

RST Solutions is an Australian business operating internationally, with presence and projects in Australia, North and South America, Africa, the Middle East, Asia and the Pacific. For more information, contact RST Solutions on (+61 7) 5522 0244 or visit www.rstsolutions.com.au.



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