

TRAMFLOC, INC.

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Technical Information Bulletin

TRAMFLOC® 1051 DUST SUPPRESSANT

Product Description

Tramfloc® 1051 is a dust suppressant and soil stabilizer and used as a spray-water encrusting additive to prevent emissions of dust caused by vehicles. The formulation is a vinyl acetate-acrylic copolymeric emulsion and is been designed to control dust in large applications such as road construction, haul roads, mining and race courses. The combination of high molecular weight, hardness and flexibility produces soil crusts with excellent toughness and durability. Tramfloc® 1051 is completely water soluble, biodegradable and safe to apply. Tramfloc® 1051 is designed for dust palliative and soil stabilization applications. This formulation is also used with hydroseeding and as a mulch tackifier, and as a sub-base stabilizer and on trails and paths. Tramfloc® 1051 benefits include dust reduction, improved road surfaces, reduced watering and road grading, and longer tire life.

Additional Use Information

Tramfloc® 1051 provides superior bonding and stabilizing for durable performance. Apply with pressurized spray equipment and allow one day before road use resumes. For a full depth application loosen soil or till to a depth of 4", apply Tramfloc® 1051 with pressure sprays. Two applications may be required. Grading followed by rolling and another application of Tramfloc® 1051 are recommended. Water cannons, water trucks and hydroseeders may be utilized to apply the product solution.

Typical Emulsion Properties

<u>Property</u>	<u>Range</u>	<u>Property</u>	<u>Range</u>
Weight solids ¹	55%	Brookfield viscosity ²	700-1500 mPas@25° C
copolymer type	vinyl acetate-butyl acrylate	Average particle size	0.3 microns
pH	4.0-6.0	Mechanical stability	Excellent
Surfactant type	Nonionic	MFFT, ° C	10
Reaction to borax	Stable	Density, Lbs./gal.	9.1
Appearance	Milky white liquid	Odor	Sweet
Boiling point	212° F	Vapor pressure	24 hPa@20° C
Water solubility	Miscible		
1 Cenco Moisture Balance		2 Brookfield Viscometer Model LVF	

Mixing, Dosage and Packaging

Tramfloc®1051's recommended dosage will form a mechanically highly resistant and elastic and waterproof coating. The crust will resist truck tire traffic and will remain hard without producing any dust for several weeks. The formulation will reduce treatment costs. Prepare a 7% solution by mixing 7 gallons of product with 93 gallons of water in the application tank. High water pressure will help ensure through mixing. Spray 1100-2200 gallons of diluted solution per acre of soil. Two spray passages are recommended in order to form a hard and solid crust. Tramfloc® 1051 is available in drums, IBC's and in bulk.

Handling and Storage

Handle all industrial chemicals with care and consult the material safety data sheet before product use. Tramfloc® 1051 should be stored in a cool, dry place and has a nominal 6 month shelf life at 77° F.

Safety and Health

Spills of copolymer are extremely slippery. Precautions should be taken to prevent them from entering lakes or streams. Polymer can be flushed with copious amounts of water and disposed of according to local regulations or treated with an absorbent material, then collected for subsequent legal disposal. Tramfloc® 1051 has been shown to exhibit a low order of toxicity. Nevertheless, precautions should be taken to prevent inhalation, ingestion or contact with skin or eyes. Observing basic industrial hygiene precautions should prevent any health or safety hazards.

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