

Description

Vital Bon-Matt CDS 300 is a specifically formulated, non-trafficked and high wind speed, fully biodegradable, natural gum dust suppressant. **Vital Bon-Matt CDS 300** has been designed for specific applications where strong, durable and flexible surface conditions are required in respect to fine, light and problematic dust and high wind speed exposures. **Vital Bon-Matt CDS 300** is a concentrated liquid emulsion which is diluted with water prior to application.

Recommended for

Vital Bon-Matt CDS 300 is suitable for dust suppression applications including:

- light, fine and problematic dust;
- train wagon / transport veneering; and
- stockpiles.

Vital Bon-Matt CDS 300 is suitable for use non-trafficked areas, stockpiles, areas exposed to high wind speeds and for the veneering of transport wagons.

Features and Benefits

Vital Bon-Matt CDS 300's unique formulation offers the following features:

- Effective dust abatement;
- A strong and flexible veneer over the applied surface;
- A veneer surface which rebinds on successive water applications, prolonging effectiveness;
- A completely biodegradable and environmentally safe product with inert degradation products;
- Non-polymer formulation;
- No polyacrylamide resins (no neurotoxic effects);
- No magnesium chloride (highly toxic and questionable carcinogen);
- No solvent containing oils;
- No coal-tar based coatings (Polycyclic Aromatic Hydrocarbons – PAHs)
- No heavy or trace metals;
- Conserves water resources;
- A completely environmentally and workplace safe product.

Vital Bon-Matt CDS 300's unique formulation offers the following benefits:

- Water conservation;
- Environmentally safe to use;
- Improved visibility;
- Reduced accident risk;
- Increased productivity and safety;
- Cleaner air and environment for humans, vehicles and nearby residents;
- Completely safe for users.

Specifications

Appearance	LIQUID	Solubility (water)	NOT AVAILABLE
Odour	SLIGHT ODOUR	Specific gravity	NOT AVAILABLE
pH	NEUTRAL	% Volatiles	NOT AVAILABLE
Vapour pressure	NOT AVAILABLE	Flammability	NON FLAMMABLE
Vapour density	NOT AVAILABLE	Flash point	NOT RELEVANT
Boiling point	NOT AVAILABLE	Upper explosion limit	NOT RELEVANT
Melting point	NOT AVAILABLE	Lower explosion limit	NOT RELEVANT
Evaporation rate	NOT AVAILABLE	Autoignition temperature	NOT AVAILABLE

Application Directions

Application Methods and Preparation – Train Wagon Veneering

Vital Bon-Matt CDS 300 is applied to train wagon surfaces at the train load-out. Application via spray boom with product pre-dilution just prior to spray boom line entry.

Application Methods and Preparation – Stockpile

Vital Bon-Matt CDS 300 is applied via water tanker / water cannon. Cannon and side sprays are effectively utilised for stockpile applications.

Water tankers must be semi-filled with water prior to the addition of the **Vital Bon-Matt CDS 300** concentrate. This order of filling assists mixing of product and water within the tanker and ensures the concentrate does not fill the sprayer lines and dribble bar.

Dilution Rates – Train Wagon Veneering

Due to numerous variables associated with surface composition and the level of control required, analytical testing for optimum dilution rates is recommended. Previous wind tunnel tests performed at 20m/sec have recommended a generalised dilution rate for coal and iron ore train wagon veneering at 3% solution strength (33:1 water to **Vital Bon-Matt CDS 300**).

Dilution Rates – Stockpile

Due to numerous variables associated with surface composition and the level of control required, it is not practical to list a standard application rate. Onsite analysis and assessment by our *Technical Representatives* will ensure the optimum application is employed for each individual site.

For no traffic areas, low concentration ratios are applied (e.g. 10:1 to 50:1 water to **Vital Bon-Matt CDS 300**).

Coverage of diluted product equates to: **1L solution : 1m² surface**

Cleaning of Water Tankers and Pumps

Water tankers, pumps and application devices must be flushed with water after **Vital Bon-Matt CDS 300** application runs, or at regular intervals for spray booms.

Shelf Life

Vital Bon-Matt CDS 300 must be stored at a temperature of min. +0°C to max. +45°C. Shelf life is approximately 12 months.

Vital Bon-Matt CDS 300 must be kept in closed drums/containers or closed tanks. Do not store **Vital Bon-Matt CDS 300** in fiberglass tanks due to difficulty in cleaning such surfaces. Containers must be closed tightly to avoid contact with air, which can contribute to product contamination.

Do not keep pre-diluted product for longer than 2 days as the shelf life is drastically reduced once contaminants (such as water) are introduced.

Packaging

Vital Bon-Matt CDS 300 is supplied in 1000L IBCs and in bulk.

Precautions

Vital Bon-Matt CDS 300 contains no hazardous substances requiring labeling. For more information, refer to Safety Data Sheet.

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in the **Vital Chemical Pty Ltd** publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by **Vital Chemical Pty Ltd** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **Vital Chemical Pty Ltd**, are responsible for carrying out procedures appropriate to a specific application.
