

Product Evaluation

RE: Review of Arkon Dust Control

PRODUCT

Arkon Dust Control is manufactured and distributed by Arkon Solutions Corp located in Calgary.

VENDOR CLAIMS AND INFORMATION

CLAIMS

Arkon Dust Control is a non-corrosive, bio-based and readily biodegradable oil used for dust suppression. It can be sprayed onto surfaces such as unpaved roadways, to control fugitive dust by bonding to the dust particles as it is applied. The low freezing point makes it suitable for use in subzero temperatures. It also provides resistance to rainfall runoff, resulting in longer-term protection, reducing maintenance applications required. Traffic can recommence almost immediately after application.

DESCRIPTION

Arkon Dust Control is designed to be diluted with water prior to application. Dilution rate and required volume will depend on equipment used and area to be treated. In most cases, the loading process into a tank truck is sufficient to completely mix the product. The product will not separate during transport. When left for an extended period without any agitation, product may develop a light minimal ring of separated material but this does not affect the blended product's efficacy. Diluted product should be applied using typical equipment such as tanker truck equipped with a spray bar or similar. It can be applied at chemical loadings ranging from 0.3 -1.5 L/m² but will depend on traffic volume and environmental conditions. Typical application rate is 0.8 L/m². Diluted product can be applied directly onto unprepared surfaces but surface grading is recommended for optimal application. Diluted product should be applied at a rate that allows for soaking onto the soil but without run off.

POTENTIAL USAGE

Dust abatement on gravel roads.

STANDARDS / TESTS

Microtox threshold testing, Acute Toxicity Test Results and Ready Biodegradability Testing by Nautilus Environmental, Calgary

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has no experience with this product

APPLICABLE STANDARDS

Alberta Transportation standard specifications 53.31, Supply and Apply Dust Abatement.

RECOMMENDATIONS

Arkon Dust Control be listed as a Potential Product under Alberta Transportation Products List, Dust Abatement – Proprietary based on the information provided. Final acceptance as a proven product will be based on field performance.

RESTRICTIONS ON USE

Caveat: -

TRIAL PROJECTS

Rishi Adhikari

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