

Product Evaluation

RE: Review of GRAVELOCK Soil Stabilizer and Dust Suppressant

PRODUCT

GRAVELOCK (previously known as CBR PLUS) Soil Stabilizer and Dust Suppressant is manufactured by CON-AID International of Johannesburg, South Africa and distributed by Rhide Technologies Inc. Located in Burnaby, British Columbia.

VENDOR CLAIMS AND INFORMATION

CLAIMS

GRAVELOCK Soil Stabilizer and Dust Suppressant product is intended for use in diluted form, primarily as a soil compaction aid and stabilizer in the construction and maintenance of unpaved roads and construction sites. This product can also be used as a dust suppressant. Product Web Link:

<http://www.cbrplus.com/index.asp>

DESCRIPTION

GRAVELOCK Soil Stabilizer and Dust Suppressant concentrate is an anionic synthetic thio compound which changes the hydrophilic characteristics of clay materials into hydrophobic characteristics.

POTENTIAL USAGE

GRAVELOCK Soil Stabilizer and Dust Suppressant improve the workability of soils, increases soil shear strength, increases density and reduce dust on unpaved roads. GRAVELOCK allows engineers to use in-situ material in either single or multi-layer pavement by reducing the importation of materials from unsightly and environmental degrading borrows pits; thus minimizing the environmental degradation. Environmental assessment for this product was conducted for British Columbia and was found to be non-toxic for the concentration of GRAVELOCK used in the field.

STANDARDS

No standards submitted.

ALBERTA TRANSPORTATION COMMENTS

EXPIERENCE

Alberta Transportation has no experience with this product.

APPLICATION STANDARDS

The Alberta Transportation Specification 53.31, Supply and Apply Dust Abatement is the only specification available for Dust Abatement at this time. There is no standard for soil stabilization.

RECOMMENDATIONS

GRAVELOCK Soil Stabilizer be listed as a Proven Product under Alberta Transportation's Products List, Stabilization (Soil) – Proprietary based on the information provided.

TRIAL PROJECTS

Hwy 853 – 2Km N. of Intersection of Hwy 853 and Hwy 589

Joe Filice

cc Innovations Group – Abid Malik
Jim Gavin