

## 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 will not be listed. CBR Dust Suppressant should be listed as a Proven Product under Alberta Transportation's Products List, Dust Abatement – Proprietary based on the information provided.

#### **TRIAL PROJECTS**

Hwy 501, 880, 521, 506, 887, 525, 876 – (see file for exact locations)

Joe Filice

cc New Product Evaluation Standing Committee – Roger Skirrow  
Jim Gavin