

**Product Evaluation**

**RE: Review of ROADTEK (Dust Suppressant & Soil Stabilization)**

**PRODUCT**

ROADTEK is manufactured and distributed by Guardian Chemicals Incorporated located in Sturgeon County, Alberta.

**VENDOR CLAIMS AND INFORMATION**

**CLAIMS**

ROADTEK is used for both soil stabilization and dust control to significantly reduce the maintenance requirements, associated costs and complaints associated with unpaved roads. ROADTEK is resistant to the effects of water, UV degradation and abrasion and holds up to heavy traffic loads. Product Web Link: <http://www.guardianchem.ca/>

**DESCRIPTION**

ROADTEK is a polymeric Water based product that does not contain chlorides, alkyl or nonylphenol ethoxylates (APE/NPEs) or materials listed on the CEPA (Canadian Environmental Protection Act) toxics list. ROADTEK is specially formulated with 100% virgin material, it does not contain any waste by-products. The curing process for ROADTEK is reliant on water loss, as the water evaporates; ROADTEK coalesces and dries forming a cohesive and water-resistant bond.

**POTENTIAL USAGE**

ROADTEK unique properties allow it to sufficiently penetrate and wet the aggregate and fines and binds them together creating a durable and flexible bond with high cohesive strength. ROADTEK can be used for road stabilization and dust control with a wide variety of aggregates and soils including asphalt millings used in unpaved road construction.

**STANDARDS**

None provided

**ALBERTA TRANSPORTATION COMMENTS**

**EXPERIENCE**

Alberta Transportation has no experience with this product.

**APPLICABLE STANDARDS**

The Alberta Transportation Specification 53.31, Supply and Apply Calcium Chloride Dust Abatement. Alberta Transportation has no specification for soil stabilization at this time.

**RECOMMENDATIONS:**

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

**TRIAL PROJECTS**

N. of Ponoka, Range Road 254, between TWP Rd 432 and 433

Rishi Ahikari

cc New Products Evaluation Group – Roger Skirrow