

## RoadChem™ 401® Chip Seal Paste Tack, Prime Coats Mixing Grade



### VSS ASPHALT TECHNOLOGIES DATA SHEET VER: 1.0 --PRODUCT INFORMATION

#### DESCRIPTION:

RoadChem™ 401® is a cationic 100% active emulsifier for the manufacture of asphalt emulsions. RoadChem™ 401 contains a special additive for emulsifying difficult asphalts, including paraffinic, high asphaltene and low penetration asphalts (40/60).

#### BENEFITS:

- Excellent adhesion to most aggregate types including acidic and basic aggregates.
- High binder content

#### PHYSICAL PROPERTIES:

**Appearance:** Soft amber paste (liquid above 40C)

**Boiling Point:** >250C

**Pour Point (C):** 25-30

**Flash point (Closed Cup):** (C) > 170

**Specific gravity:** 25C 0.841-0.85 kg/lit

**Storage life:** Min 12 months in drums or bulk

#### APPLICATION:

RoadChem™ 401 is designed specifically for CRS-1, CRS-2 and Very High Binder (80%) emulsions. It may also be used for mixing grade CMS.

#### TYPICAL FORMULATION:

All formulations should be tested in the laboratory before use.

**Rapid Set:** (by weight)

**Asphalt:** 60-70%

**Soap (based on total emulsion:**

**RoadChem™ 401:** 0.18-0.5%

**Concentrated HCl (pure):** to pH 1.8-2.8 **Calcium Chloride:** 0.1%

**Kerosene:** 0-2%

**Water:** to 100%

**Mixing Grade:**

**Asphalt:** 60-65%

**Soap (based on total emulsion:**

**RoadChem™ 401®:** 0.5-1.0%

**Concentrated HCl (pure):** to pH 2.5-3.5 **Calcium Chloride:** 0.1%

**Kerosene:** 3-12%

**Water:** to 100%

#### SAFETY:

Contains alkaline corrosive materials. Will cause eye and skin irritation if significant contact is made. Use goggles, gloves and protective clothing when handling. Refer to the MSDS for further information.

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Dec 1998