



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

DESCRIPTION:

RoadChem™ 705® is a ligno based amine material formulated as a coemulsifier and stabiliser for cationic emulsions. It is particularly useful for improving viscosity stability and stability to pumping. It may also be used with mixing grade and chip sealing emulsions to enhance adhesion to aggregates.

BENEFITS:

- Stability
- Easy to handle and transport
- Wide range of compatibility with different emulsions, including CRS, CRS?2, CRS?80, CMS, CMS?2, CSS. And these may be polymer modified.
- Used as a mix time extender in slurry and will not affect the cure time

PHYSICAL PROPERTIES:

Pour Point: (C) 5C

Flash Point (Closed Cup): (C) N/A

Appearance: Dark brown water based liquid

SG: 25C 1.2 kg/lit

Viscosity, cps 25C: 150-180

Storage Life: Min 12 months in drums or bulk. (10C-50C in covered area in sealed drums).

APPLICATION:

Emulsion Manufacture:

RoadChem™ 705® should be kept at 10C or higher prior to use for pumping. It should not be stored at above 60C. It should be kept away from water contamination.

RoadChem™ 705® is added directly to the soap solution.

TYPICAL FORMULATION:

All formulations should be tested in the laboratory before use.

Co emulsifier for CRS, CMS or CSS:

Replace one third to half the emulsifier load, Ensure pH is in the required range for the primary emulsifier, Stabiliser:

Add 0.2-0.5% to the soap solution (based on total emulsion) Ensure pH is adjusted for the primary emulsifier.

Slurry Seal Quick Set Mixing Aid:

Add to either the soap solution or in prewet water at 0.2-0.5% based on emulsion.

NOTES:

Note also that slurry and microsurfacing emulsions must be designed relatively to the mixture. That is a full ISSA mixture design must be done to verify performance.

Notes:

1. Prolonged exposure of RoadChem™ 705® to moisture or carbon dioxide will reduce its activity. As far as possible keep away from water contamination.
2. Latex should be co-milled into the emulsion for the best dispersion, emulsion stability and control of the final properties of the slurry. Latex may be post added or added into the soap if no co milling is not available.

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.

Valley Slurry Seal Company, PO Box 981330, West Sacramento, CA 95798, USA.

Phone (916) 373-1500 Fax: (916) 373-1438 Email: vss@slurry.com

Information given herein is given in good faith, without warranty, representation or inducement or license of any kind. VSS does not assume any legal responsibility for reliance upon same. VSS is not responsible for materials not manufactured by VSS that may represent a hazard in handling or use, nor for the safety of any process employing any VSS product. No representation is given as to freedom from patent restriction.

RK/August 5, 1998