



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

DESCRIPTION:

RoadChem™ 309® is a specially engineered emulsifier used in the manufacture of high performance microsurfacing emulsions and quick set slurry emulsions. It improves the mix characteristics with a range of additives allowing lower emulsifier and water levels, even for difficult aggregates. RoadChem™ 309® systems are rapid curing and setting with the additional advantage of also being quick to traffic. RoadChem™ 309® is proven to give excellent mix set and cure characteristics on a very wide range of aggregate chemistry. RoadChem™ 309® is compatible with most Russian, Asian and Arabian crude based bitumen. Mix designs should always be carried out with any aggregate/bitumen system to ensure optimal performance.

BENEFITS:

- Mix Control
- Rapid Cure
- No segregation
- Excellent adhesion & stone coating
- High Stability
- Can be used with aluminum chloride, aluminum sulfate, surfactant, and cement additives

PHYSICAL PROPERTIES:

Viscosity at 25C: 7400cp

Viscosity at 60C: 550cp

Flash point: >200C

Specific gravity: 0.95 @ 25C

Storage: Store in a cool dry place, do not let the temperature exceed 120°F (50°C). Use open drums first.

Storage life: 12 months minimum (If stored correctly).

Packaging: Supplied in steel drums (309 kg) or in 1 tonne totes.

APPLICATION:

RoadChem™ 309® is suitable for use in slurry and microsurfacing systems where rapid cure is required.

RoadChem™ 309® is an amidoamine type emulsifier.

RoadChem™ 309® is compatible with a wide range of polymer modification types, including Neoprene, SBR, EVA and SBS.

TYPICAL FORMULATION: All formulations should be tested in the laboratory before use.

CQS

Soap solution:

RoadChem™ 309® 1.2 - 1.4%

Hydrochloric acid: Adjust to required pH 2.0-2.5

Latex: 2.5 - 3.0%

Water: Adjust to 100%

Asphalt: 60 - 65%

MICROSURFACING

Soap solution:

RoadChem™ 309® 1.3 - 1.5%

Hydrochloric acid: Adjust to required pH 1.5 - 2.0

Latex: 2.5 - 3.0%

Water: Adjust to 100%

Asphalt: 60 - 65%

RoadChem™ 309®:

RoadChem™ 309® may be used in combination with other Roadchem chemicals in for tailored mixtures

SAFETY:

A Material Safety Data Sheet is available for this product. Always read the safety data sheet for any chemical prior to use. **RoadChem™ 309®** is NON hazardous and not controlled by DOT.

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.

Copyright © 2000-2003 [Valley Slurry Seal Co](#) All Rights Reserved.