

Redicote[®] C-450-S

Emulsifier for cationic quick set bitumen emulsions for slurry and micro surfacing. Break retarder for quick set slurry surfacing and micro surfacing.

Benefits and features

- High reactive aggregates:**
 Cationic quick-set emulsions made with Redicote C-450-S provide mix time even with reactive aggregates and in hot weather conditions
- Medium and low reactive aggregates:**
 Used together with Redicote C-471 it provides emulsion recipes suitable for a wide range of aggregate reactivity and field conditions
- Water-soluble:**
 Its low viscosity and water solubility make it an ideal break retarder for slurry systems
- Micro surfacing:**
 Emulsions formulated with Redicote C-450-S can meet specifications for micro surfacing as well as quick-set slurry surfacing

Storage and handling

Redicote C-450-S may be stored in carbon steel tanks. Bulk storage should be maintained at 25-50°C (77-122°F). Avoid extended heating above 65°C (150°F). Protect against exposure to moisture. Redicote C-450-S contains amines and may cause severe irritation or burns to skin and eyes. Protective gloves and safety goggles must be worn when handling this product. For further information consult the Safety Data Sheet.

Packaging information

Redicote C-450-S is available in bulk shipment, in tight head steel drums of 400 lbs (181 kg) net weight, or in one-way totes (IBCs) of 2000 lbs (907 kg) net weight.

Dosage

| | | |
|-----------------------------|----------|------------------------------|
| Cationic quick set emulsion | 0.7-1.5% | pH 1-3, hydrochloric acid |
|-----------------------------|----------|------------------------------|

Specification

| | | |
|-----------------------|---------|-----------|
| Amine value, mg KOH/g | 445-485 | SMA CL002 |
| Water, % | max 1 | SMA CL007 |

Physical properties

| | |
|--------------------|---------------|
| Appearance at 25°C | liquid |
| Flash point, °C | >200 (>392°F) |
| Pour point, °C | -15 (5°F) |

| | 10 | 20 | 30 | 40 | °C |
|-----------------------|----|------|------|------|----|
| | 50 | 68 | 86 | 104 | °F |
| Density, g/cc | | 0.96 | 0.95 | 0.95 | |
| Density, lbs/U.S. gal | | 8.00 | 7.94 | 7.89 | |
| Viscosity, mPa s (cP) | | 853 | 437 | 230 | |

Physical properties are typical data based on our own measurements or derived from the literature. They do not constitute part of the delivery specification.

For more information and sample formulations contact us at asphalt@nouryon.com.

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We are a global specialty chemicals leader. Markets worldwide rely on our essential chemistry in the manufacture of everyday products such as paper, plastics, building materials, food, pharmaceuticals, and personal care items. Building on our nearly 400-year history, the dedication of our 10,000 employees, and our shared commitment to business growth, strong financial performance, safety, sustainability, and innovation, we have established a world-class business and built strong partnerships with our customers.

We operate in over 80 countries around the world and our portfolio of industry-leading brands includes Eka, Dissolvine, Trigonox, and Berol.

For more information visit nouryon.com.

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