

Redicote® C-471

Emulsifier for cationic quick-set bitumen emulsions for slurry and micro surfacing

Benefits and features

- Suitable for low reactive aggregates:**
 Cationic quick-set emulsions made with Redicote C-471 build cohesion rapidly even with unreactive aggregates
- Medium and low reactive aggregates:**
 The product can be used together with Redicote C-450 or Redicote C-500-1 to provide emulsion recipes suitable for a wide range of aggregate reactivity
- Easy handling:**
 The product is relatively low viscosity and dissolves easily in soap phase

Storage and handling

Redicote C-471 may be stored in carbon steel tanks. Bulk storage should be maintained at 15-40°C (59-104°F). Avoid extended heating above 65°C (150°F). Protect against exposure to moisture. Redicote C-471 contains amines and may cause severe irritation or burns to skin and eyes. Protective goggles and gloves must be worn when handling this product. For further information consult the Safety Data Sheet.

Packaging information

Redicote C-471 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
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Specification

Amine value, mg KOH/g	390-420	SMA CL002
Water, %	max 1	SMA CL007

Physical properties

Appearance at 25°C	liquid			
Flash point, °C	200 (392°F)			
Pour point, °C	0 (32°F)			

	10	20	30	40	°C
	50	68	86	104	°F
Density, g/cc	0.97	0.96	0.96	0.95	
Density, lbs/U.S. gal	8.08	8.03	7.98	7.94	
Viscosity, mPa s (cP)	3800	1700	900	400	

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

Notes

For regulatory reasons this product is not available within the EU and China.

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.

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