

## Redicote® E-9

Emulsifier for cationic rapid- and medium-setting bitumen emulsions suitable for chip seal (surface dressing), tack coat and open graded cold mix

### Benefits and features

- High emulsion viscosity:**  
 Redicote E-9 is a special grade of tallowdiamine designed to produce emulsions of the highest quality. Redicote E-9 has for many years been the standard against which other cationic emulsifiers are judged.
- Low use level:**  
 0.15-0.22% is normally sufficient for rapid-set emulsions
- Medium viscosity build:**  
 The product provides cationic rapid-set emulsions with medium viscosity build suitable for a wide range of bitumen sources

### Storage and handling

Redicote E-9 may be stored in carbon steel tanks. Bulk storage should be maintained at 45-55°C (113-131°F). Redicote E-9 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 E-9 is available in bulk shipment, in tight head steel drums of 360 lbs (163 kg) net weight in North America, and open head drums of 160 kg (353 lbs) net weight in other regions.

### Dosage

Cationic rapid set emulsion	0.15-0.22%	pH 2-4.5, hydrochloric acid
Cationic medium set emulsion	0.25-0.50%	pH 1-4.5, hydrochloric acid

Acetic acid may be used

### Specification

Amine value, mg KOH/g	min 323	SM 5.005
Iodine value (g I <sub>2</sub> /100 g)	32-50	SM 5.005
Water, %	max 1	VE 5.022

### Physical properties

Appearance at 25°C	paste			
Flash point, °C	199 (390°F)			
Pour point, °C	35 (95°F)			

	40	50	60	70	°C
	104	122	140	158	°F
Density, g/cc	0.84	0.83	0.82	0.81	
Density, lbs/U.S. gal	7.02	6.93	6.83	6.73	
Viscosity, mPa s (cP)	50	27	10	7	

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](mailto: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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