

## Redicote<sup>®</sup> E-16

Liquid emulsifier for cationic rapid- and medium-setting bitumen emulsions suitable for chip seal, tack coat and open graded cold mix. Active adhesion promoter for pre-coated chips, cutback or soft bitumen.

### Benefits and features

- Low use level:**  
 0.15-0.22% is normally sufficient for rapid-set emulsions
- Medium emulsion viscosity:**  
 Redicote E-16 produces high residue cationic rapid-setting emulsions with moderate viscosity build, suitable for most bitumen types
- Easy handling and storage:**  
 Redicote E-16 is a low viscosity liquid, easily soluble in the kerosene used in pre-coated chippings, and easily dissolved during the preparation of emulsion soap phase
- Active adhesion:**  
 Bitumen treated with Redicote E-16 has the ability to displace water from the surface of aggregates

### Storage and handling

Redicote E-16 may be stored in carbon steel tanks. Bulk storage should be maintained at 25-35°C (77-95°F). Avoid extended heating above 65°C (150°F). Redicote E-16 contains amines and is corrosive 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

Europe: Redicote E-16 is available in bulk shipment, in tight head steel drums of 170 kg (375 lbs) net weight or in one-way totes (IBCs) of 800 kg (1763 lbs) net weight.  
 USA: Redicote E-16 is available in bulk shipment, or in tight head steel drums of 360 lbs (163 kg) net weight.

### 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
Pre-coated chips	0.1 kg/t	basis aggregate
Cutback bitumen	0.5-1.2%	basis binder

### Specification

Amine value, mg KOH/g	min 5.5	WV 1.001
Iodine value (g I <sub>2</sub> /100 g)%	>60	WV 1.002
Water, %	max 2	VE 4.003

### Physical properties

Appearance at 25°C (77°F)	liquid
Flash point, °C	188 (370°F)
Pour point, °C	15 (59°F)

	20	30	40	°C
	68	86	104	°F
Density, g/cc	0.84	0.84	0.83	
Density, lbs/U.S. gal	7.02	7.00	6.93	
Viscosity, mPa s (cP)	42	17	12	

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).

**USA and Canada**

Chicago, USA  
T +1 800 906 9977

**South America**

Itupeva, Brazil  
T +55 11 4591 8938

**Central America  
and Caribbean**

Mexico City, Mexico  
T +52 55 5261 7895

**China**

Shanghai, China  
T +86 21 2220 5000

**South East Asia**

Singapore  
T +65 6635 5183

**India**

Mumbai, India  
T +91 22 6842 6700

**Europe**

Stenungsund, Sweden  
T +46 303 850 00

**Middle East**

Dubai, United Arab Emirates  
T +971 4247 1500

**Russia**

Moscow, Russia  
T +7 495 766 1606

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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](http://nouryon.com).

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