

Redicote[®] E-605

Emulsifier for cationic medium-setting emulsions and tack coats. Emulsifier for oils and soft bitumen used in dust control emulsions.

Benefits and features

- High flash point:**
 The product does not contain flammable solvents
- Small particle size:**
 Emulsions produced using Redicote E-605 have exceptionally small particle size suitable for prime coats and dust control
- No need for acid:**
 No acid is required and the neutral pH of the emulsion is preferred in applications like tack coats for concrete, when emulsifying bio-based binders and when water soluble thickeners are incorporated
- Co-emulsifier:**
 Redicote E-605 is a versatile co-emulsifier used to improve the quality and mixing behavior of cationic medium-setting emulsions

Dosage

Tack, prime and dust oil emulsions	1.5-2.5%	pH 2-7, hydrochloric acid
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Specification

Activity, %	26-29	
pH (10% in water)	6-9	

Physical properties

Appearance at 25°C (77°C)	liquid			
Cloud point, °C	18 (64°F)			
Flash point, °C	>100 (>212°F)			
Pour point, °C	10 (50°F)			

Storage and handling

Redicote E-605 contains water and 316 and 317L stainless steels or glass or polymer lined tanks are recommended. Redicote E-605 is compatible with polyethylene and polypropylene. Bulk stores should be maintained at 15-25°C (59-77°F). Redicote E-605 contains quaternary 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-605 is available in bulk shipment, or in tight head lined polyethylene drums of 400 lbs (181 kg) net weight.

	10	20	30	40	°C
	50	68	86	104	°F
Density, g/cc	0.97	0.97	0.96	0.96	
Density, lbs/U.S. gal	8.12	8.08	8.05	8.02	
Viscosity, mPa s (cP)	23	20	18	16	

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.

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