



Redicote® C-580

Cationic emulsifier that is liquid at ambient temperatures used for rapid and medium set (CRS/CMS) emulsions suitable for chip seal (surface dressing) & scrub seal, tack coat and open graded cold mix

Benefits and features

- High emulsion viscosity**
 Emulsions prepared using Redicote C-580 have significantly higher viscosities, which allow specifications to be met at the minimum binder content
- Easy to handle**
 Redicote C-580 is a 100% active, solvent free liquid product with low viscosity and pour point
- Easy to use**
 Redicote C-580 readily dissolves in acidified water at ambient temperatures. It is an emulsifier well suited for use in both in-line and batch emulsion plants

Storage and handling

Redicote C-580 may be stored in carbon steel tanks. Bulk storage should be maintained at 10-30°C (50-86°F). Redicote C-580 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-580 is available in bulk shipment, or in tight head steel drums of 380 lbs (173 kg) net weight, or in one-way totes (IBCs) of 2000 lbs (907 kg) net weight.

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

Dosage

Cationic rapid set emulsion	0.20-0.35%	pH 2-3 hydrochloric acid
Cationic medium set emulsion	0.30-0.60%	pH 2-3. hydrochloric acid

- The optimum dosage depends on the type of binders which should be determined by lab trials
- SBS modified binders may require higher dosage compared to unmodified binders or latex modified emulsions
- The addition of 0.10-0.25% Redicote AP-1 to the binder before emulsification can boost emulsion viscosity and allow use of lower emulsifier dosage with polymer modified binders
- Changing the pH with a particular dosage of emulsifier will also influence viscosity, demulsibility and particle size of the emulsion

Specification

Amine value, mg KOH/g	140-160	KL625.81
Water, %	max 1	KL510.00

Physical properties

Appearance at 25°C (77°F)	brown liquid		
Flash point, °C	136 (277°F)		
Pour point, °C	-6 (21°F)		

	20	30	40	°C
	68	86	104	°F
Density, g/cc	0.90	0.89	0.88	
Density, lbs/U.S. gal	7.48	7.43	7.37	
Viscosity, mPa.s (cP)	129	76	47	

Contact us directly for detailed product information and sample request
website | nouryon.com/markets/asphalt
email | asphalt@nouryon.com

Nouryon

Nouryon is a global, specialty chemicals leader. Markets and consumers worldwide rely on our essential solutions to manufacture everyday products, such as personal care, cleaning goods, paints and coatings, agriculture and food, pharmaceuticals, and building products. Furthermore, the dedication of more than 7,900 employees with a shared commitment to our customers, business growth, safety, sustainability and innovation has resulted in a consistently strong financial performance. We operate in over 80 countries around the world with a portfolio of industry-leading brands. Visit our website and follow us @Nouryon and on LinkedIn.

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