

## Redicote<sup>®</sup> E-11

Emulsifier for cationic slow set asphalt emulsions for tack, prime, slurry seal and cold mix applications. Break retarder for slurry.

### Benefits and features

- **Low use level:**  
Good quality slow set emulsions are formed at low use level
- **Easy handling:**  
The low viscosity, low pour point and water solubility of Redicote E-11 makes it easy to use both as emulsifier and as a break control additive (retarder) for slurry
- **Good adhesion:**  
Emulsions made with Redicote E-11 provide good adhesion to siliceous aggregates
- **No need for acid:**  
No acid is required for soap preparation
- **No APEs:**  
The product does not contain alkylphenoethoxylates

### Storage and handling

Redicote E-11 contains isopropanol, keep away from sources of ignition. Redicote E-11 contains water and chloride ion and 316 and 317L stainless steels or glass or polymer lined tanks are recommended. Bulk storage need not be heated. Redicote E-11 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-11 is available in bulk shipment, in 55-gallon tight head lined steel drums of 170kg (375lbs) net weight, or in one-way totes (IBCs) of 900kg (1984lbs) net weight.

### Dosage

Cationic slow set emulsion	0.6-1.5%	pH 4-6 hydrochloric acid
----------------------------	----------	-----------------------------

### Specification

Activity, %	48-53	WP 2.001
pH (5% in 2-propanol-water)	6-9	EP 2.002

### Physical properties

Appearance at 25°C	liquid	
Flash point, °C	18 (64°F)	
Pour point, °C	-20 (-4°F)	

	10	20	°C
	50	68	°F
Density, g/cc	0.94	0.90	
Density, lbs/U.S. gal	7.84	7.51	
Viscosity, mPa s (cP)	113	52	

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

A version of this product with high flash point is available as Redicote E-11HF.

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

All information concerning our products and/or all suggestions for handling and use contained herein (including formulation and toxicity information) are offered in good faith and are believed to be reliable. However, Nouryon makes no warranty express or implied (i) as to the accuracy or sufficiency of such information and/or suggestions, (ii) as to any product's merchantability or fitness for a particular use or (iii) that any suggested use (including use in any formulation) will not infringe any patent. Nothing contained herein shall be construed as granting or extending any license under any patent. The user must determine for itself by preliminary tests or otherwise the suitability of any product and of any information contained herein (including but not limited to formulation and toxicity information) for the user's purpose. The safety of any formulations described herein has not been established. The suitability and safety of a formulation should be confirmed in all respects by the user prior to use. The information contained herein supersedes all previously issued bulletins on the subject matter covered.

Products mentioned are trademarks of Nouryon and registered in many countries.

**About Nouryon**

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).

**Nouryon**