

Redicote® E-4900

Liquid 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:**
 Emulsions prepared using Redicote E-4900 have significantly higher viscosities, which allow specifications to be met at the minimum bitumen content
- Easy to handle:**
 Redicote E-4900 is a 100% active, solvent free liquid product with low viscosity and pour point
- Low use level:**
 0.15-0.22% is normally sufficient for rapid-set emulsions
- Easy to use:**
 Redicote E-4900 readily dissolves at water temperatures above 104°F/40°C with good mixing. It is suitable for both in-line and batch emulsion plants under these conditions

Storage and handling

Redicote E-4900 may be stored in carbon steel tanks. Bulk storage should be maintained at 15-30°C (59-86°F). Redicote E-4900 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-4900 is available in bulk shipment, or in tight head steel drums of 360 lbs (163 kg) net weight, or in one-way totes (IBCs) of 1800 lbs (816 kg) net weight.

Dosage

Cationic rapid set emulsion	0.15-0.25%	pH 2-4.5 hydrochloric acid
Cationic medium set emulsion	0.25-0.35%	pH 1-4.5 hydrochloric acid

Use with warm water (min 104°F/40°C) to ensure completedissolution into soap solution

Specification

Amine value, mg KOH/g	235-255	SM 5.005
Water, %	max 1	VE 5.022

Physical properties

Appearance at 25°C	liquid		
Flash point, °C	>100 (>212°F)		
Pour point, °C	3 (37°F)		

	20	30	40	°C
	68	86	104	°F
Density, g/cc	0.85	0.84	0.83	
Density, lbs/U.S. gal	7.05	7.01	6.96	
Viscosity, mPa s (cP)	19	13	9	

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.

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.

Nouryon