

### REDICOTE® E-4819-3

**Application** Emulsifier for cationic rapid and medium-setting asphalt emulsions

**Advantages**

- *High Emulsion Viscosity:* Emulsions prepared using Redicote E-4819-3 have particularly high viscosity which allows specifications to be met at the minimum asphalt content.

Typical Emulsion Formulations	CRS-2		CMS-2	
	Asphalt	65	65	
Redicote E-4819-3	0.15 - 0.20		0.25 - 0.35	
Hydrochloric acid*	0.10 - 0.15		0.20 - 0.25	
pH soap	2.0 - 4.5		1.0 - 4.5	
Calcium chloride	0 - 0.1		0 - 0.1	
Petroleum distillate	0 - 2		8 - 12	
Water	to 100		to 100	

\*22° Baume or 35% wt. %

Physical Properties	Appearance at 25°C				
	Pour point, °C	paste			
Cloud point, °C	30 (86°F)				
Flash point, °C	40 (104°F)				
	>175 (>347°F)				
	30	40	50	60	°C
	86	104	122	140	°F
Viscosity, mPa.s (cP)	22	18	16	14	
Density, g/cc	0.83	0.83	0.82	0.82	
Density, lbs./gal	6.94	6.89	6.85	6.79	

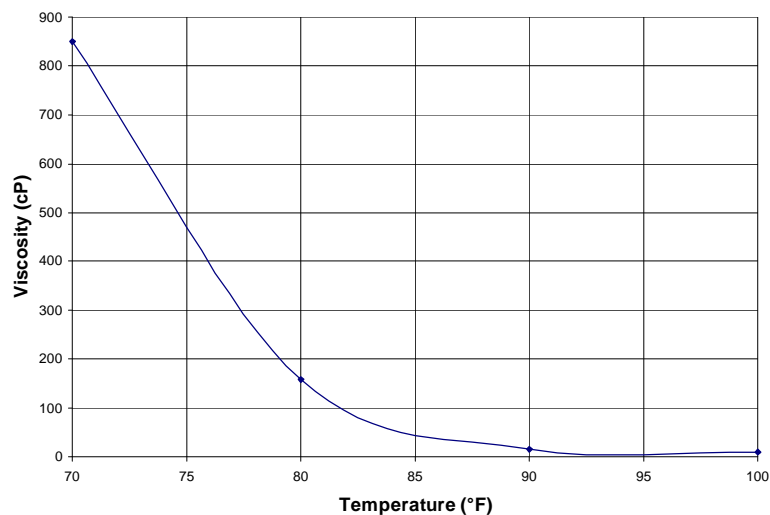
See reverse for additional data

**Storage and Handling** Redicote E-4819-3 may be stored in carbon steel tanks. Bulk storage should be maintained at 35-50°C (95-122°F). Avoid heating to above 65°C (150°F).

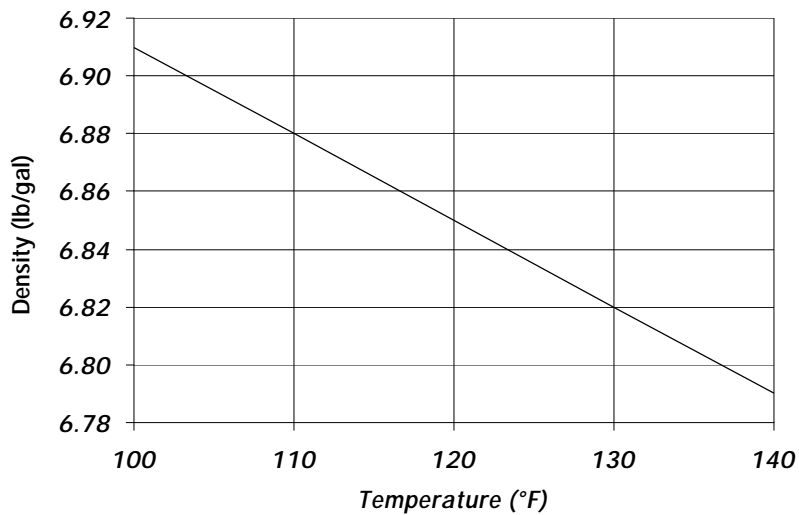
Redicote E-4819-3 contains amines and may cause severe irritation or burns to skin and eyes. Protective goggles and gloves must be worn when handling this product. For further information consult the Material Safety Data Sheet.

**Packaging Information** Redicote E-4819-3 is available in bulk shipments or in 55-gallon tight head drums of 360 lbs. (164kg) net weight.

Temperature vs Viscosity



Density vs. Temperature



All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable. Akzo Nobel Chemicals Inc., however, makes no warranty as to the accuracy and/or sufficiency of such information and/or suggestions, as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. Nothing contained herein shall be construed as granting or extending any license under any patent. Buyer must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes. The information contained herein supersedes all previously issued bulletins on the subject matter covered.