

### REDICOTE® C-450

**Application** Emulsifier for cationic quick-set asphalt emulsions for slurry surfacing. Break retarder for quick-set slurry surfacing and microsurfacing.

**Advantages**

- *Reactive aggregates:* Emulsions made with Redicote C-450 can be used with reactive aggregates and in hot weather conditions.

<b>Typical Emulsion Formulation</b>		<i>CQS-1</i>
	Asphalt Cement	62
	Redicote C-450	0.7 - 1.5
	Hydrochloric acid*	0.6 - 1.4
	pH soap	1.0 - 2.5
	Polymer (as solids)	2.0 - 3.0
	Water	to 100

\*22° Baume or 35 wt %

**Break Retarder Dosage** 0.01% to 0.05% by the weight of the dry aggregate.

<b>Physical Properties</b>	Appearance at 25°C	Brown liquid				
	Pour Point, °C	-5 (23°F)				
	Flash point, °C	200 (>392°F)				
		10	20	30	40	°C
		50	68	86	104	°F
	Viscosity, mPa.s (cP)	8700	3100	1350	650	
	Density, g/cc	0.99	0.98	0.97	0.96	
	Density, lbs./gal	8.17	8.12	8.08	8.03	

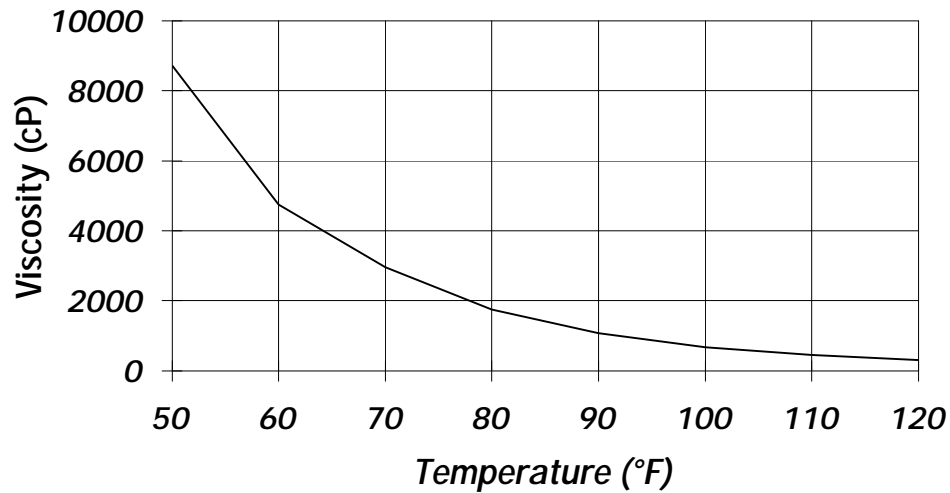
See reverse for additional data

**Storage and Handling** Redicote C-450 may be stored in carbon steel tanks. Bulk stores should be maintained at 25-50°C (80-120°F). Avoid heating to above 65°C (150°F). Protect against exposure to moisture.

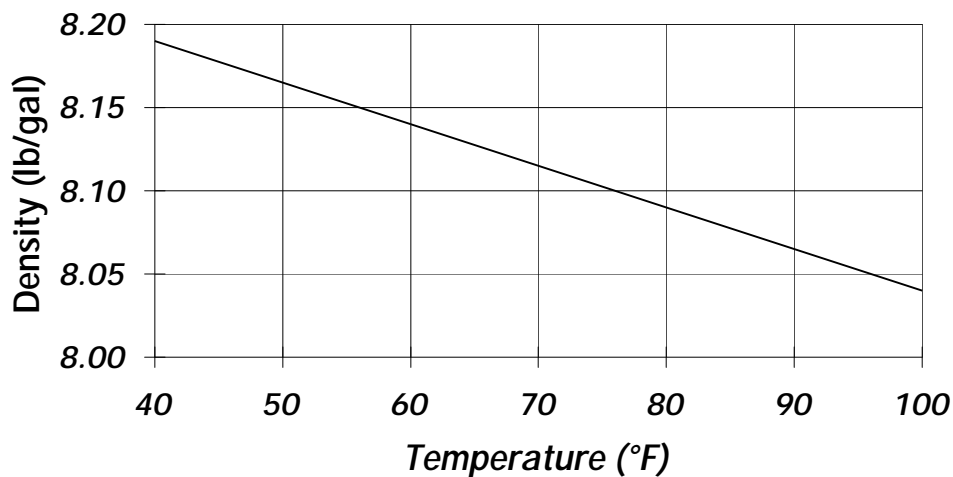
Redicote C-450 contains amines and may cause severe irritation or burns to skin and eyes. Protective gloves and safety goggles must be used when handling this product. For further information, consult the Material Safety Data Sheet.

**Packaging Information** Redicote C-450 is available in bulk delivery or in 55-gallon tight-head drums of 400 lbs. (182 kg.) net weight

### Viscosity vs. Temperature



### 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.