

REDICOTE® E-4819

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

Advantages

- *Low Use Level:* Often 0.15% is sufficient to prepare CRS-2 emulsions meeting specifications.
- *High Emulsion Viscosity:* Emulsions prepared using Redicote E-4819 have significantly higher viscosity, which allows specifications to be met at the minimum asphalt content.

Typical Emulsion Formulations

	CRS-2	CMS-2	CMS-2
Asphalt	65	65	65
Redicote E-4819	0.15 - 0.20	0.25 - 0.35	0.15 - 0.20
Redicote E-5			0.2
Hydrochloric acid*	0.10 - 0.15	0.20 - 0.25	0.10 - 0.15
pH soap	2.0 - 4.5	1.0 - 4.5	1.0 - 4.5
Calcium chloride	0 - 0.1	0 - 0.1	0 - 0.1
Petroleum distillate	0 - 2	8 - 12	3 - 12
Water	to 100	to 100	to 100

*22°Baume or 35% wt. %

Physical Properties

Appearance at 25°C	paste			
Pour point, °C	30 (86°F)			
Cloud point, °C	40 (104°F)			
Flash point, °C	>175 (>347°F)			
	30	40	50	60 °C
	86	104	122	140 °F
Viscosity, mPa.s (cP)	37	20	9	7
Density, g/cc	0.84	0.83	0.82	0.82
Density, lbs./gal	6.98	6.91	6.84	6.79

See reverse for additional data

Storage and Handling

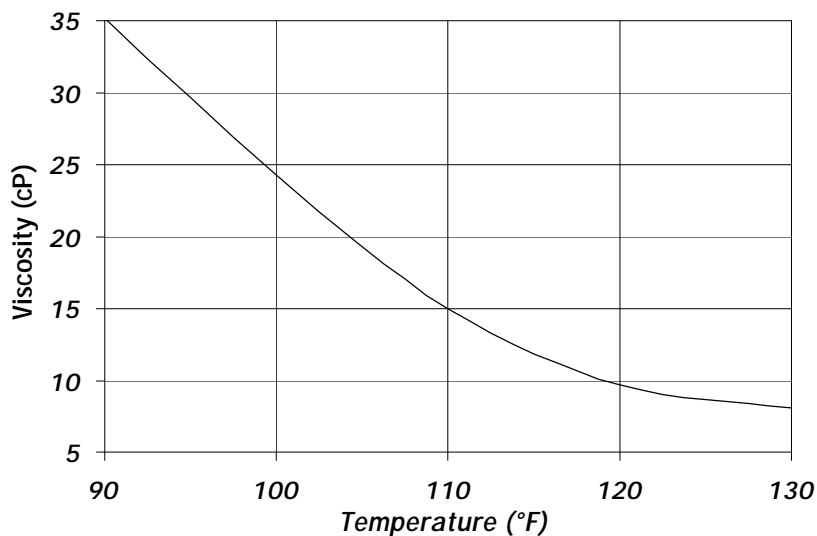
Redicote E-4819 may be stored in carbon steel tanks. Bulk storage should be maintained at 35-50°C (94-122°F). Avoid heating to above 65°C (150°F).

Redicote E-4819 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.

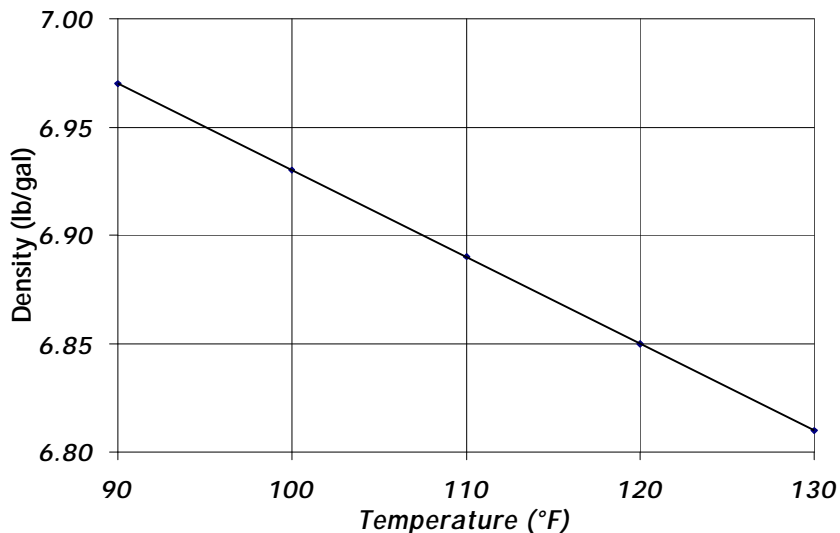
**Packaging
Information**

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

Viscosity vs. Temperature



Density vs. Temperature



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