

REDICOTE® E-7000

Application

Emulsifier for slow-set emulsions.

Advantages

- *Flexibility:* Redicote E-7000 can be used to prepare both anionic and cationic slow-set emulsions.
- *Adhesion:* Anionic emulsions prepared with Redicote E-7000 show good adhesion to siliceous aggregates, similar to the best cationic slow-setting emulsions.
- *Easy handling:* The liquidity and water solubility of Redicote E-7000 make it easy to use, and the product does not contain flammable solvents

Typical Emulsion Formulations

	SS-1h	CSS-1h
Asphalt	57+	57+
Redicote E-7000	1.6 - 2.2	1.6 – 2.0
Sodium hydroxide*	0.01 - 0.10	-
Hydrochloric acid**	-	0.02 – 0.40
pH soap	10.0 - 12.0	1.0 – 2.5
pH emulsion	8 - 11	1.0 – 3.5
Water	to 100	to 100

* The amount of sodium hydroxide required depends on the acidity of the asphalt.

** 22° Baume or 35% by weight

Physical Properties

Appearance at 25°C	yellow liquid
Pour point, °C	-7 (20°F)
Flash point, °C	>100 (>212°F)
pH (as is)	8 - 9

	10	20	30	40	°C
	50	68	86	104	°F
Viscosity, mPa.s (cP)	45	31	26	24	
Density, g/cc	1.08	1.07	1.07	1.06	
Density, lb/gal	9.02	8.90	8.89	8.86	

Storage and Handling

Redicote E-7000 contains water; stainless steels or lined tanks are recommended for bulk stores. Redicote E-7000 is compatible with polyethylene and polypropylene. Product stored in bulk does not need to be heated.

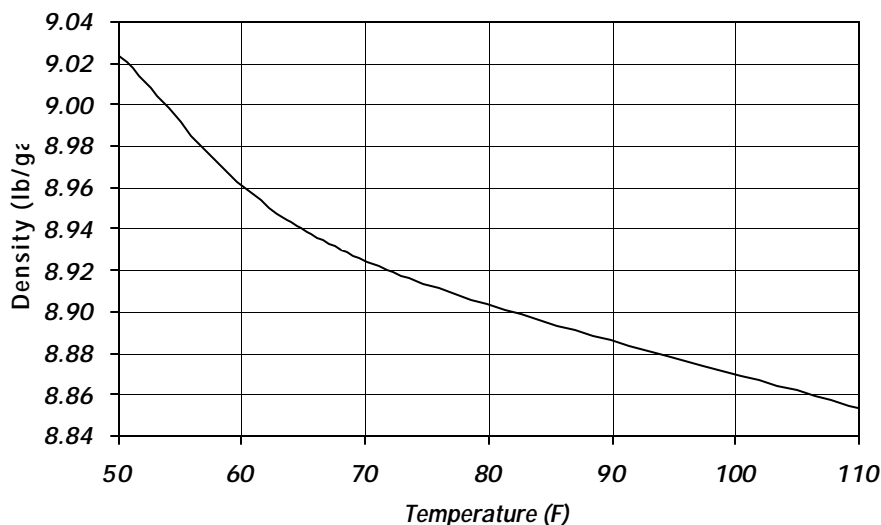
Redicote E-7000 is a concentrated surfactant and is irritating to skin and eyes. Protective goggles and gloves must be worn when handling this material. For further information refer to the Material Safety Data Sheet.

Redicote E-7000

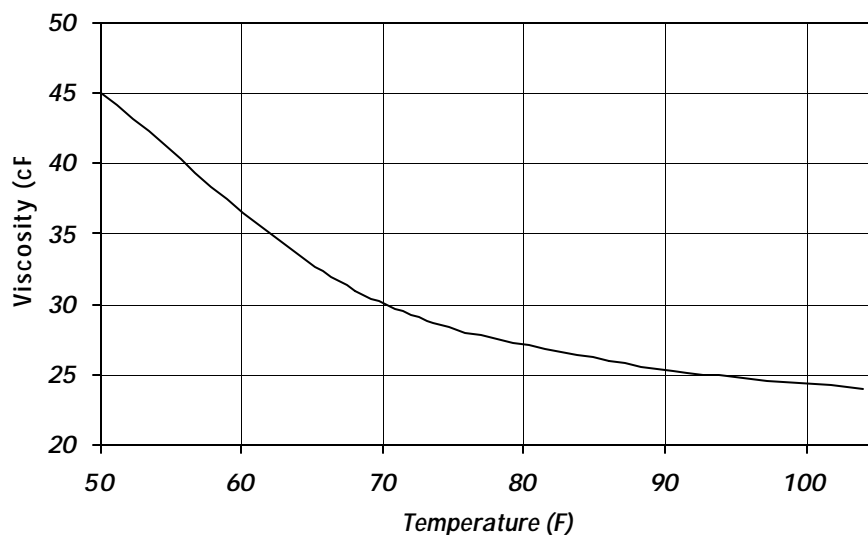
Packaging Information

Redicote E-7000 is available in 55-gallon tight head drums of 450 lbs. (204kg) net weight.

Density vs. Temperature



Viscosity vs. Temperature



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