

REDICOTE® E-11HF-1

Application Emulsifier for cationic slow setting emulsions. Break retarder for slurry surfacing.

Advantages

- *High Flash Point:* Redicote E-11HF-1 does not contain volatile or flammable solvents, which means easier storage and safer handling.
- *Low Use Level:* Redicote E-11HF-1 gives good quality CSS emulsions with a wide range of asphalts at use levels typically lower than other slow-set emulsifiers.
- *Easy Handling:* The liquidity and water solubility of Redicote E-11HF-1 makes it easy to use both as an emulsifier and break control additive (retarder) for slurry.

<i>Typical Emulsion Formulation</i>		<i>CSS-1h</i>
	Asphalt	57
	Redicote E-11HF-1	0.6 – 1.2
	Hydrochloric acid*	0 - 0.02
	pH soap	2.0 – 6.0
	Calcium chloride	0 - 0.1
	Water	to 100

*22°Baume or 35% wt %

Break Retarder Dosage 0.01- 0.1% based on dry aggregate

Physical Properties	Appearance at 25°C	clear yellow liquid				
	Pour Point, °C	-10 (14°F)				
	Flash point, °C	>90 (>200°F)				
		10	20	30	40	°C
		50	68	86	104	°F
	Viscosity, mPa.s (cP)	1160	620	360	190	
	Density, g/cc	1.06	1.05	1.04	1.03	
	Density, lbs./gal	8.78	8.71	8.63	8.58	

See reverse for additional data

Storage and Handling Redicote E-11HF-1 contains chloride and 316 or 317L stainless steel, glass or polymer lined tanks are recommended. Redicote E-11HF-1 is compatible with polyethylene and polypropylene. Bulk storage does not need to be heated.

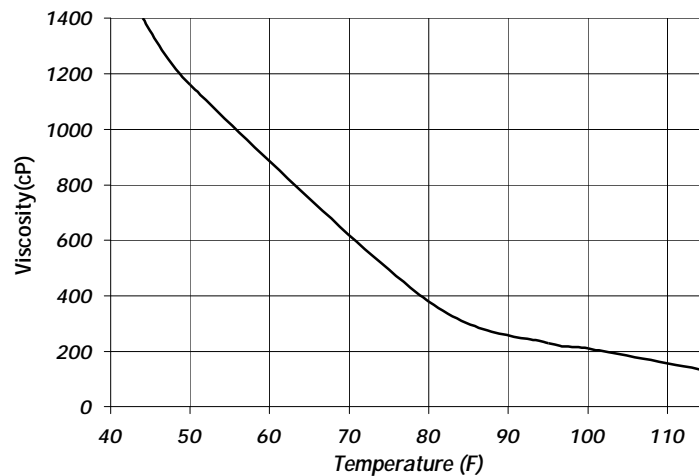
Redicote E-11 HF-1

Redicote E-11HF-1 contains quaternary amines and may cause severe irritation or burns to skin and eyes. Protective goggles and gloves must be worn when handling this material. For further information consult the Material Safety Data Sheet.

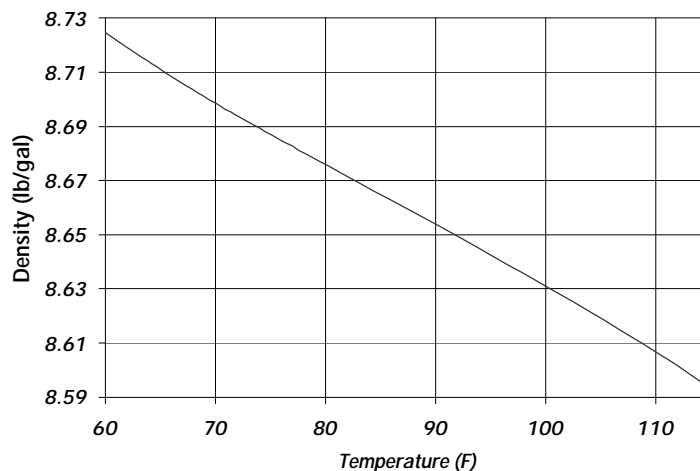
Packaging Information

Redicote E-11HF-1 is available in bulk shipments or in 55-gallon tight head drums of 400 lbs. (182kg) net weight.

Viscosity vs. Temperature



Density vs. Temperature



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