



Technical Information

Asphalt Applications

REDICOTE® E-4868

Application Emulsifier for cationic slow-setting asphalt emulsions.

Advantages

- *Solvent-Free Dense-Graded Mixes:* Emulsions prepared with Redicote E-4868 provide extended workability time to dense mixes based on crushed aggregate, reclaimed asphalt pavement or soils. Emulsions can be combined with cement or lime for improved strength and water resistance.
- *Slurry Seal:* Emulsions prepared using Redicote E-4868 allow adequate mix time with the most difficult aggregates and at high temperatures, without the need for additives.
- *Handling and Storage:* Redicote E-4868 does not contain flammable solvent, has little tendency to separate during storage and dissolves easily in the soap phase without a tendency to cause odors.

Typical Emulsion Formulation

	<i>CSS -1h</i>
Asphalt	57+
Redicote E-4868	0.8 - 1.2
Hydrochloric acid*	0.1 - 0.25
pH soap	1.7 - 2.5
Calcium chloride	0 - 0.1
Water	to 100

*22°Baume or 35% wt %

Alternative acids such as sulfuric or phosphoric may be used.

Physical Properties

Appearance at 25°C	dark viscous liquid
Pour point, °C	<5 (<41°F)
Flash point, °C	>100 (>212°F)

	10	20	30	40	°C
	50	68	86	104	°F
Viscosity, mPa.s (cP)	4810	1900	1100	600	
Density, g/cc	1.12	1.10	1.08	1.06	
Density, lbs./gal	9.31	9.15	8.99	8.85	

See reverse for additional data

Storage and Handling

Redicote E-4868 may be stored in carbon or stainless steel tanks. Bulk storage should be maintained at 20-40°C (68-104°F).

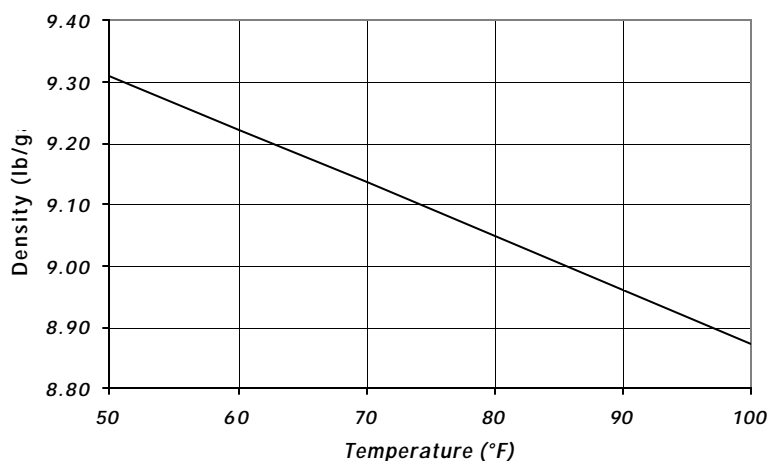
Redicote E-4868 is alkaline and may cause severe irritation or burns to skin and eyes. Protective goggles and gloves must be worn when handling this product. For further information consult the Material

Safety Data Sheet.

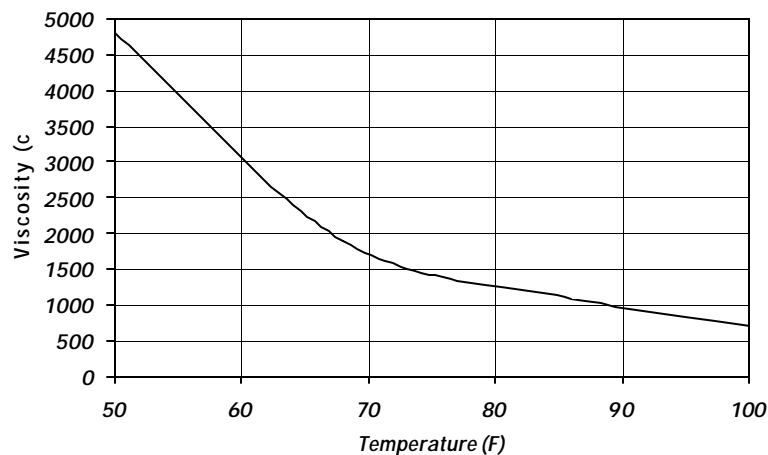
**Packaging
Information**

Redicote E-4868 is available in bulk shipments or in 55-gallon tight head drums of 450 lbs. (205kg) net weight.

Density vs Temperature



Viscosity vs. Temperature



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