

Redicote[®] E-11E

Emulsifier for cationic slow set bitumen emulsions for tack, prime, slurry seal and cold mix applications. Emulsifier for oils and resins used for dust control and rejuvenating. Break retarder for slurry.

Benefits and Features

- **Low Use level:** Good quality slow set emulsions are formed at low use level.
- **Easy handling:** The low viscosity, low pour point and water solubility of Redicote E-11E makes it easy to use both as emulsifier and as a break control additive (retarder) for slurry.
- **Good Adhesion:** Emulsions made with Redicote E-11E pass the particle charge test and provide good adhesion to siliceous aggregates.
- **No need for acid:** No acid is required for soap preparation. The neutral pH of the emulsion is preferred in applications like tack coats for concrete, when emulsifying bio-based binders and when water soluble thickeners are incorporated.

Dosage

Cationic Slow Set Emulsion 0.8-1.5% pH 2-7 Hydrochloric acid
No acid is required to prepare stable emulsions.

Specification

Activity, % 48-52
 pH (10% in water) 6-9

Physical Properties

Appearance at 25°C (77°F) Liquid
 Pour point, °C -15 (5°F)
 Flash point, °C 18 (65°F)

| | | | | | |
|-----------------------|------|------|------|------|----|
| | 10 | 20 | 30 | 40 | °C |
| | 50 | 68 | 86 | 104 | °F |
| Viscosity, mPa.s (cP) | 45 | 31 | 26 | 24 | |
| Density, g/cc | 0.95 | 0.94 | 0.93 | 0.92 | |
| Density, lb/U.S.gal | 7.93 | 7.84 | 7.76 | 7.68 | |

Physical Properties are typical data based on our own measurements or derived from the literature. They do not constitute part of the delivery specification

Storage and Handling

Redicote E-11E contains ethanol, keep away from sources of ignition. Redicote E-11E contains water and chloride ion and 316 and 317L stainless steels or glass or polymer lined tanks are recommended. Bulk storage need not be heated.

Redicote E-11E contains quaternary 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 Safety Data Sheet.

Packaging Information

Redicote E-11E is available in bulk shipment, in tight head lined steel drums of 415lb (188kg) net weight, or in one-way totes (IBCs) of 2000lb (907kg) net weight.

Notes

A version of this product with high flash point is available as Redicote E-11HF-1.

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