



TECHNICAL DATA SHEET – CSS-1H

DESCRIPTION

CSS-1h is a cationic slow setting asphalt emulsion designed for use as a tack coat, base stabilization, fog sealing, dust control and specialty applications. CSS can be diluted in many applications. A slow setting emulsion is designed for maximum mixing time with aggregates. Longer workability times ensure good coating with dense graded, high fines content aggregates.

PHYSICAL PROPERTIES

- Boiling Point (°F): 212
- Specific Gravity (H₂O = 1): 1.03
- Solubility in Water: Dispersible
- Appearance and Odor: Brown liquid with Mild Petroleum Odor

PARAMETER	TEST METHOD	MIN	MAX
Tests on Emulsion			
Saybolt Furol Viscosity, SFS @ 25 °C	ASTM D7496	20	100
Sieve Test	ASTM D6933	----	0.1
Residue by Distillation	ASTM D6977	57	----
Oil Distillate, %	ASTM D6977	----	3.0
Storage Stability, 24 hr, %	ASTM D6930	----	1.0
Particle Charge	ASTM D7402	Positive	
Cement Mixing Test, %	ASTM D6935	----	2.0
Tests on Residue			
Penetration @ 25 °C, dmm	ASTM D5	20	60
Ductility @ 25 °C	ASTM D113	40	----
Solubility, %	ASTM D2042	97.5	----

Storage		Application Temps	
Grade	Recommended Max Storage Temp	Recommended Range	Max Allowable
CSS-1h	140°F	55-130°F	175°F

Transportation: USDOT Not Regulated

LIMITATIONS

Proper storage, handling, and application guidelines must be followed carefully for best results. As with any emulsion, do not allow the material to freeze or boil because of aggressive heating. Freezing or boiling of CSS-1H will break the emulsion. CSS-1H IS NOT COMPATIBLE WITH ANIONIC EMULSIONS (RS, QS, SS, etc.). All equipment should be thoroughly cleaned if anionic emulsion was previously present. Please contact your Quality Emulsions representative prior to first use for detailed storage and handling procedures.

CAUTION

For industrial use only. Refer to SDS for further information.

THIS PRODUCT IS NOT SUBJECT TO THE CONTROLLED PRODUCT REGULATIONS.

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