

Description

CSS-1h is a cationic emulsion primarily used as a tack coat. The Emulsion can be used as a tack coat (either as is or diluted 50% with water) or fog seal (diluted 50% with water) and applied with a distributor.

Physical Properties

Boiling Point—Approximately 100°C (212°F)

Percent Volatiles—None

Appearance—Brown Liquid

Flammability—Non-flammable (liquid)

Weight Per Gallon—8.4 lbs

Solubility in Water—Dispersable

Odor—Mild Petroleum Odor

Specifications for CSS-1h

The specification conforms to AASHTO M208 and ASTM D2397.

Property		Test Procedure (AASHTO)	Specification	
			Min	Max
Viscosity, Saybolt-Furol, 25°C (77°F), sec		T59, T72	20	100
Sieve Test, %		T59	—	0.1
Particle Charge		T59	Positive	
Residue Determination	Residue by distillation, % by weight	T59	57	—
Tests on Residue From Distillation	Penetration, 25°C (77°F), 100 g, 5 sec	T49	40	90
	Ductility, 25°C (77°F), 5 cm/min, cm	T51	40	—

Handling

Protect the emulsion from freezing.

Avoid overheating the emulsion.

Avoid excessive pumping with high shear pumps, especially if the emulsion is cool.

Storage and Application

Grade	Recommended Maximum Storage Temperature, °F	Application Temperatures (°F)	
		Recommended Range	Maximum Allowable
CSS-1h	140	50-130	175

Transport

Regulatory Information	UN Number	Proper Shipping Name	Class	PG	Label
USDOT	Not Regulated				