

CRS-1 Product Data Sheet

Description and Physical Properties

CRS-1 is an emulsion that is used primarily for tacking. The material is applied through a distributor at a rate of .075 to .15 of a gallon per square yard, depending on the surface to be treated unless otherwise specified.

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—Dispersible
- Odor—Mild Petroleum Odor

Specifications for CRS-1

The specification conforms to AASHTO M208, ASTM D2397, the Virginia Department of Transportation, North Carolina DOT and Maryland State Highway Administration.

Property		Test Procedure (AASHTO)	Specification	
			Min	Max
Viscosity, seconds, Saybolt-Furol 50°C (122°F)		T59, T72	20	100
Sieve Test, %		T59	—	.10
Particle Charge		T59	Positive	
Demulsibility		T59	40	—
Distillation Test	Residue by distillation, % by weight	T59	60	—
	Oil Distillate, % by volume	T59	—	3
Tests on Residue from Distillation	Penetration	T49, T59	100	250
	Ductility, 25°C (77°F), 5 cm/min, cm	T51, T59	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
CRS-1	160	125-175	175

Transport

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



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