

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—Dispersable
- Odor—Mild Petroleum Odor

Specifications for CRS-1

The specification conforms to AASHTO M208 and the Virginia Department of Transportation.

Property		Test Procedure (AASHTO)	Specification	
			Min	Max
Viscosity, seconds Saybolt-Furol		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	T59, 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
CRS-1	160	125-175	175

Transport

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



Quality Emulsion for Every Application

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