



# TECHNICAL DATA SHEET CALYPSO

## DESCRIPTION

CALYPSO is a specialized emulsion specially formulated with Bio Polymers to be an environmentally friendly and primarily used as a bind the aggregate and fine particles 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 (°F): 212
- Specific Gravity (H<sub>2</sub>O = 1): 1.01
- Solubility in Water: Dispersible
- Appearance and Odor: Brown liquid with Mild Petroleum Odor
- Weight Per Gallon—8.4 lbs
- Flammability—Non-flammable (liquid)
- Percent Volatiles—None

## SPECIFICATIONS

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

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	
Distillation Test	Residue by distillation, % by weight	57	—
	Oil Distillate, % by volume	—	3
Tests on Residue from Distillation	Penetration, 25°C (77°F), 100 g, 5 sec	40	90
	Ductility, 25°C (77°F), 5 cm/min, cm	T51, T49	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

**Recommended Maximum  
Storage Temperature, °F**  
140

**Application Temperatures (°F)**  
**Recommended Range**      **Maximum Allowable**  
50-130                              175

## TRANSPORT

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

## LIMITATIONS

Proper storage, handling, and application guidelines must be followed carefully for best results. Please contact your Global Soil Group representative prior to first use for detailed storage and handling procedures. For industrial use only. Refer to SDS for further information. THIS PRODUCT IS NOT SUBJECT TO THE CONTROLLED PRODUCT REGULATIONS.