

AEROSOL® TR-70 HG surfactant

Type: Anionic - liquid

Chemical: Sodium Bistridecyl Sulfosuccinate

CAS No.: 2673-22-5

Molecular Formula: C₃₉H₅₇O₇NaS

Molecular Weight: 584

EPA Status: Exempt 49 CFR 189.1991(d)

AEROSOL TR-70 HG surfactant is a highly hydrophobic surface active agent and is an excellent emulsifier and dispersing agent for organic or inorganic materials in organic systems. It imparts oleophilic properties to hydrophilic compounds. The product is designed for use in systems of low V.O.C. (Volatile Organic Content), as an extremely effective wetting, emulsifying and dispersing agent.

Surface Active Properties

Critical Micelle Concentration (CMC) % by weight		0.001
Surface tension @ CMC		
<u>% by weight</u>		<u>mN/M</u>
0.0001		70.0
0.00025		48.9
0.0005		38.8
0.001		35.8
0.003		32.7
0.0125		28.9
0.025		27.9
0.05		27.5
0.075		27.5
0.1		26.9

Physical and Chemical Properties

Appearance at 25°C	liquid
Solids, % by weight	70 ±1
Solvent	water/hexylene Glycol
Specific gravity, g/cc	1.02
Viscosity, cps @ 25°C	
Brookfield RVE,	
No.2 spindle 20 RPM	~100
Freezing point, °C	-10
Flash Point °C	
Pensky-Martens (closed cup)	>100
pH	5-7
Acid number, as is, max.	2.5
Iodine value, as is, max.	0.25
Solubility in water	0.1%
Solubility in organic solvents	See PRT-066

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