

AEROSOL[®] TR-70HG Surfactant

Type: Anionic - liquid
Chemical: Sodium Bistridecyl Sulfosuccinate
CAS No.: 2673-22-5
Molecular Formula: C₃₀H₅₇O₇NaS
Molecular Weight: 584
EPA Status: Exempt 40 CFR 180.1001(d)
FDA Status: Approved 21 CFR.3400

AEROSOL[®] TR70HG 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

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°	
Brookfield RVF, No.2 spindle 20 RPM	~100
Freezing point, °C	- 10
Flashpoint, °C	>102
Pensky-Martin (closed cup)	
pH	5-7
Acid Number, as is, maximum	2.5
Iodine Value, as is, maximum	0.25
Solubility in water	0.1%
In organic solvents:	See PRT-066

Surface Active Properties

Critical Micel Concentration (CMC), % by weight	0.001
Surface Tension, 25°C	
Concentration	
<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

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