

AEROSOL® TR-60 IE surfactant

Type: Anionic - liquid

Chemical: Sodium Bistridecyl Sulfosuccinate

CAS No.: 2673-22-5

Molecular Formula: C₃₀H₅₇O₇NaS

Molecular Weight: 584

EPA Status: Exempt 49 CFR 189.1991(d)

AEROSOL TR-60 IE 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 PVC polymerizations, as an extremely effective wetting, emulsifying and dispersing agent.

Physical and Chemical Properties

| | |
|----------------------------|-----------------------|
| Appearance at 25°C | liquid |
| Solids, % by weight | 60 ±1 |
| Solvent | water/ Isopropanol |
| Specific gravity, g/cc | 1.03 |
| Flash Point, °C | |
| Pensky-Marten (closed cup) | 33 |
| pH | 5-7 |
| Acid number, as is, max. | 2.5 |
| Iodine value, as is, max. | 0.25 |
| Solubility in water | 0.1% |
| Inorganic solvents | See PRT-066 |

Surface Active Properties

Critical Micelle 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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