

Technical Data Sheet

MR-TEK
Excel in Specialty Chemicals

Tekamide-32 Defoamer

Product Information

Chemical Name: Low Foam

Description Surfactant Type: Nonionic Defoamer

Benefits

Excellent food soil defoaming	Alkaline & acid stability
Good soap soil defoaming	Exceptionally low foam
Non-crazing	

Applications

Machine Dishwash	Food & Dairy Cleaners
Rinse Aids	

Typical Physical Properties

Active Ingredient, wt%	95
Cloud Point, 1% aq. soln., °C (°F)	25 (77)
HLB (calculated)	11
Solvent	Water
Appearance	Opaque, beige, semi-solid to liquid
pH, 5% aq solution	10
Viscosity at 25°C (77°F), cP	550
Density at 25°C (77°F), g/mL	1.034
Flash Pt, Closed Cup, ASTM D93	>149°C >300°F
Pour Point, ASTM D97, °C (°F)	2 (35)

Performance Characteristics

Surface Tension(1)	37
Critical Micelle Concentration (CMC), ppm	-
Draves 25 sec wetting conc, wt% at 25°C (77°F)	0.27
Hamilton Beach Foam Test, 0.1% at 25°C (77°F), cm	5.9
at 50°C (122°F)	0.1

(1) 1 wt% actives, dynes/cm

Solubility and Compatibility

Soluble in water
Soluble (up to 5%) in higher alcohols, ketones and esters
Insoluble in highly aliphatic solvents
Chemically stable in most non-oxidizing acids
Poor stability on solid caustic
Compatible with anionic, cationic, and nonionic surfactants & alkaline