



TECHNOLOGIES IN FLUOROCHEMICAL SPECIALTIES



FLUOROSURFACANT PAINT AND COATINGS INKS AND ADESIVES CLEANERS AND WAXES POLYMER TECHNOLOGIES technical data

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PRODUCTS AND APPLICATIONS

FLUOROSURFACTANTS

PRODUCT	DESCRIPTION	SOLID %	SOLVENT	IONIC NATURE	DENSITY (25°C)	pH	DOSAGE %	SOLUBILITY	SURFACE TENSION (In deionized water at 25°C)			APPLICATIONS	COMMENTS
									0,01%	0,05%	0,1%		
LINEPLUS													
PDM 112	Lithium Carboxylate	25 - 27	Water IPA	Anionic	1	7-9	0,01 - 0,1	Water Dipropylenglycol Monomethylether Hexylene glycol	21,7	17,8	16	Paint and coating, waxes and Polishes, detergents	Excellent leveling, improved wetting , reduce orange peel effect, compatible with most aqueous waxes, coating and detergents. Reduced surface tension at very low concentration.



PRODUCTS AND APPLICATIONS SHORT CHAIN FLUORINATED

HEXAFOR													
647	Polymeric-acrylic	25 -27	Hexylen Glycol, MEK	Non ionic	0,91	7 (5%in water)	0,05 - 0,4	Water, Butyl Acetate, Ethyl Acetate, Toluene, Isopropyl alcohol, Methyl Ethyl Ketone, DPM	35,5	32,2	27,4	Paint- coatings; Floor waxes and polishes	Hexafor 647 is a polymeric non-ionic fluorosurfactant. Allows better leveling, improved wetting and spreading, reduce orange peel effect for water based and solvent based systems. High thermal stability. Low foaming.
678	Polymeric-Ethoxylated	93 - 100	None	Non ionic	1,28	4-6 (5%in water)	0,01 - 0,2	Water, Butyl Cellosolve, Toluene, Isopropyl alcohol, Methyl Ethyl Ketone, Ethyl Acetate, DPM	23,8	17,8	17,6	Paint and Coatings, waxes and polishes, Inks.	Excellent leveling, improved wetting , reduce orange peel effect. Stable in both acid and basic conditions. Reduced surface tension at very low concentration. Improves oil-idro repellency of Lineplus and Hexafor surface protection agents for porous mineral surfaces. Can be used as an emulsifying agent. Improved antifogging.
678-D	Polymeric-Ethoxylated	24 - 25	IPA Water	Non ionic	0,95	4 - 6	0,04 - 0,4	Water Butyl Cellosolve, Isopropyl alcohol, Methyl Ethyl Ketone, DPM	23,8	18,1	17,9	Waxes and Polishes, paint and coatings, detergents	Water-solvent soluble, ethoxylated non-ionic fluorosurfactant, effectively reduces surface tension at very low concentrations. HEXAFOR™678-D is ultimately biodegradable as defined by annex III of the European Regulation 648/2004/EC on detergents. Stable in both acid and basic conditions. Leveling agents, improved wetting , reduce orange peel effect.
670	Polymeric-Ethoxylated	95 - 100	None	Non ionic	1,23	4- 6 (5%in water)	0,005-0,2	Water Butyl Cellosolve, Isopropyl alcohol, Methyl Ethyl Ketone, DPM, toluene	20,7	19,4	19,4	Paint and Coatings, waxes and polishes, inks	Water-solvent soluble, ethoxylated non-ionic fluorosurfactant (solvent free) Effective a very low concentrations, allow better leveling, improved wetting and spreading, reduce orange peel effect. Its branched structure gives a very low pour point. Stable in both acid and basic conditions. Hexafor 670 is an alkoxyate fluorinated polyol with a hydroxyl number of 190 mgKOH/g
675	Polymeric-Ethoxylated	50 - 53	Water Ethylene Glycol	Non ionic	1,16	3 - 6	0,02-0,2	Water, Butyl Cellosolve, Isopropyl alcohol, MEK	22,3	18,6	18,0	Paint and Coatings, waxes and polishes, Inks	Hight flash point (→60°C), water-solvent soluble, ethoxylated non-ionic fluorosurfactant, effectively reduces surface tension at very low concentrations. Stable in both acid and basic conditions. Leveling agents, improved wetting , reduce orange peel effect.