

FLUROSURFACTANTS APPLICATION



PAINTS AND COATINGS



CLEANERS



WAXES AND POLISHES



ADHESIVES



GRAPHIC ARTS



ELECTRONICS



METAL TECHNOLOGY



POLYMER TECHNOLOGY



THE FLUORO-CHEMICALS SPECIALIST

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FLUORO
SURFACTANTS



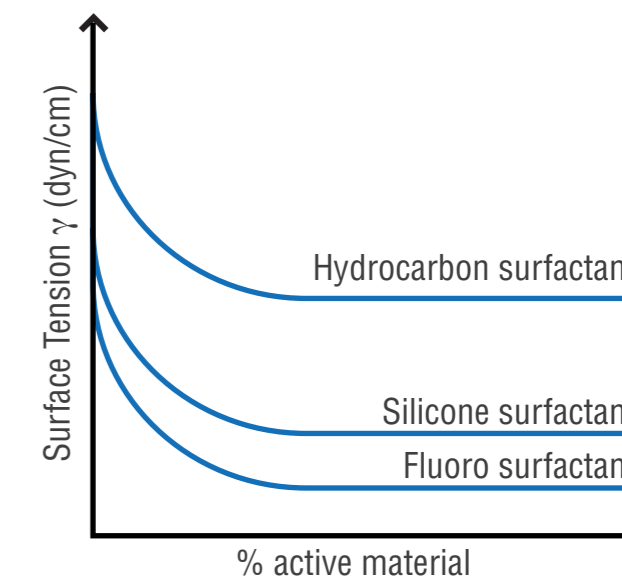
FLUORO SURFACTANTS



HEXAFOR surfactants are highly effective and efficient fluorinated surface active agents based on short perfluorinated chains. They are especially designed to provide rapid spreading, wetting and leveling performances to a broad range of water and solvent borne systems such as detergents, paints and varnishes, inks, waxes and floor polishes. The use of HEXAFOR surfactants allows to develop formulations to improve several properties such as:

- Wetting
- Emulsifying
- Spreading
- Foaming control
- Leveling
- Antifogging
- Anticorrosion
- Viscosity control

Thanks to their extremely low surface tension, HEXAFOR surfactants are more efficient than hydrocarbon and silicone surfactants and they can be used for wetting surfaces which are “impossible” to wet out. Moreover, thanks to the presence of the fluorinated chain, HEXAFOR surfactants are more stable (thermally and chemically) and fit for harsh and extreme conditions than hydrocarbon surfactants. The introduction of a fluorinated chain in surfactants offers excellent thermal stability permitting their use in extreme conditions.



PRODUCTS	Chemical Nature	Solid	Solvent	Ionic Nature	Density (g/cm ³) T= 25 °C	pH	Dosage %	STATIC SURFACE TENSION (dyn/cm) deionized water (T= 25 °C)			Reccomendations
								0,01 %*	0,05 %*	0,1 %*	
HEHAFOR								* % of active material			
HEXAFOR 612	Litium Salt	25 - 27	IPA, Water	anionic	1,0	7 - 9	0,05 - 0,4	28,7	17,3	15,5	Surface active agent suitable to improve high spreading. It provides anticorrosive properties and increases the wetting and leveling effect.
HEXAFOR 641	Litium Salt	25 - 27	IPA, Water	anionic	1,0	8 - 10	0,04 - 0,1	15,3	15,3	15,3	Surface active agent suitable to improve high spreading. It provides anticorrosive and antistatic properties. It increases dirt pickup resistance. It is very effective as anti withdrawal edge agent.
HEXAFOR 643	Polymeric Ethoxylated	96 - 100	None	non ionic	1,23	4 - 6 (5 % in water)	0,05 - 0,3	25,3	23,0	23,0	Excellent leveling and wetting agent characterized by low foam, high thermal stability, high flash point. It reduces surfaces defects.
HEXAFOR 643-D	Polymeric Ethoxylated	24 - 26	DPM	non ionic	1,02	-	0,1 - 0,3	25,7	23,3	22,2	Leveling and wetting agent with high flash point, high thermal stability and low foaming. It reduces orange peel effect. It increases the wetting of solvent-borne system.
HEXAFOR 647	Polymeric Acrylic	25 - 27	Hexylen Glycol, MEK	non ionic	0,91	7 (5 % in water)	0,05 - 0,4	34,1	31,2	22,3	Excellent wetting and leveling agent with high thermal stability and low foaming. It reduces orange peel defects.
HEXAFOR 670	Polymeric Ethoxylated	95 - 100	None	non ionic	1,23	4 - 6	0,005 - 0,2	20,7	19,4	19,4	Branched structure surface active agent characterized by a very low pour point. It is an alkoxyate fluorinated polyol with a hydroxyl number of 190 mgKOH/g. Stable in both acid and basic conditions. It can be used in polyester/polyurethane syntheses.
HEXAFOR 675	Polymeric Ethoxylated	50 - 53	Water, Ethylene Glycol	non ionic	1,16	3 - 6	0,02 - 0,2	18,0	18,0	18,0	Leveling and wetting agent with high flash point (> 60 °C). It reduces orange peel effect.
HEXAFOR 678	Polymeric Ethoxylated	93 - 100	None	non ionic	1,28	4 - 6 (5 % in water)	0,01 - 0,2	23,8	17,9	17,9	Excellent wetting and leveling agent. Reduces orange peel effect and anti-fisheyes in free solvent system. Improves anti-stain properties of Lineplus and Hexafor surface protection agents for porous mineral surfaces. Improved antifogging.
HEXAFOR 678-D	Polymeric Ethoxylated	24 - 25	IPA, Water	non ionic	0,95	4 - 6	0,04 - 0,4	23,8	17,9	17,9	Leveling and wetting agent. It reduces surface defects especially anti-crater. Only stain removal.

APPLICATION AREA

PAINT AND COATINGS	CLEANERS	WAXES AND POLISHES	ADHESIVE & CAULKS	GRAPHIC ARTS	ELECTRONIC	METAL TECHNOLOGY	POLYMER TECHNOLOGY	GAS CONDENSATE RECOVERY
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