



# HEXA FOR 679

## SHORT PERFLUORINATED CHAIN FLUROSURFACTANT

### DESCRIPTION

**HEXA FOR 679** is a water-solvent soluble, ethoxylated non-ionic fluorosurfactant (solvent free) that effectively reduces surface tension at very low concentrations. **HEXA FOR 679** is based on short-chain molecule containing 6 fluorinated carbon, that cannot breakdown to PFOA in the environment. It is stable in both acidic and basic conditions, making it perfect for organic polymer and water-solvent based paint and coatings. It can be used as an emulsifying agents.

### SPECIAL FEATURES

- ❖ Specifically for water-solvent based systems
- ❖ Good reduction of surface tension at very low concentrations
- ❖ Excellent levelling
- ❖ Reduced orange peel effect
- ❖ Improved wetting of most water-solvent based
- ❖ Improved antisoiling, antifogging, UV resistance
- ❖ Excellent corrosion inhibition
- ❖ Particularly effective as a plating bath aid and reducing drag out from bath applications
- ❖ Meets the goals of the voluntary U.S. EPA 2010/2015 PFOA Stewardship Program
- ❖ Targeted below LOD for PFOA (**PFOA free\***)

### APPLICATIONS

**HEXA FOR 679** expresses its best properties already at very low concentration (0,1 – 0,01%).

Some examples of application:

- ❖ Paint, coating and inks
- ❖ Waxes and polishes
- ❖ Floor strippers, industrial and institutional cleaning
- ❖ Metals and Electronic
- ❖ Adhesive
- ❖ Graphic Art
- ❖ Polymer

### TECHNICAL INFORMATIONS

APPEARANCE	Colorless liquid
IONIC NATURE	Non ionic
DENSITY	1,39 g/cm <sup>3</sup>
MOLECULAR WEIGHT	576
COMPOSITION	100 % Fluorosurfactant

### SPECIFICATION

Non volatile content: 97 – 100%

### SURFACE TENSION IN DEIONIZED WATER AT 25°C

(Wilhelmy plate method. Values after 1h from the solution preparation)

- ❖ 21.1 dyn/cm at 0,025 % (active material)
- ❖ 19,7 dyn/cm at 0,05 %
- ❖ 18,0 dyn/cm at 0,1 %



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## TECHNICAL DATA SHEET



### STORAGE AND STABILITY

**HEXAFOR 679** is stable for two years if stored in original closed drums at temperatures of 4 – 45°C (39 – 113°F). Stable to freezing; Chemical stability: 2 < pH < 12.

### PERSONAL SAFETY

**HEXAFOR 679** does not contain toxic substances. Consult the current **Material Safety Data Sheet** for safety use of the product.

### SOLUBILITY

- ❖ >2% in Water, Butyl Cellosolve, Toluene, Isopropyl alcohol, Methyl Ethyl Ketone, Ethyl Acetate, Methanol, DPM,
- ❖ < 2% in N-Methyl pyrrolidinone, Isoparaffin, Mineral spirit, Heptane.

### PACKAGING

- ❖ Kg 5 – Drum
- ❖ Kg 25 – Drum
- ❖ Kg 100 – Drum

\* Wherever the term "PFOA Free" is used in this website, it means content of PFOA is less than limit of detection (20ppb).



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