

# HEXAFOR™ 645

## ANIONIC FLUOROSURFACTANT

### DESCRIPTION

**HEXAFOR™ 645** is a high performance water soluble anionic fluorosurfactant. It is based on double short-chains containing C6 fluorinated carbon atoms, that cannot breakdown to PFOA in the environment. **HEXAFOR™ 645** reduces surface tension at very low concentrations for water based systems.

### SPECIAL FEATURES

- ❖ Specifically for water-based
- ❖ Good reduction of surface tension at very low concentrations
- ❖ Excellent leveling
- ❖ Improved wetting of aqueous based systems
- ❖ Short chain (C6) technology
- ❖ Meets the goals of the voluntary U.S. EPA 2010/2015 PFOA Stewardship Program
- ❖ Targeted below LOD for PFOA (**PFOA free\***)

### TECHNICAL INFORMATION

APPEARANCE	White to pale yellow clear liquid
IONIC NATURE	Anionic
pH	4 - 6
DENSITY	1.13 g/cm <sup>3</sup>
MOLECULAR WEIGHT	912
SOLID CONTENT	25-27% (wt)
COMPOSITION	25-27% Active material 23-24% Butyl glycol 49-52% Water

### SPECIFICATION

### APPLICATION

**HEXAFOR™ 645** expresses its best properties already at very low concentration (0.01 – 0.2%).

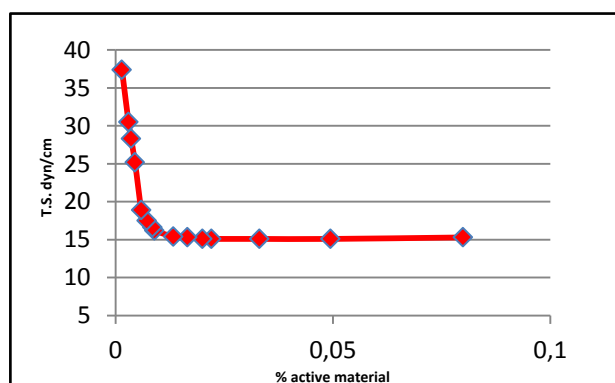
Some examples of application:

- ❖ Paint and varnish
- ❖ Waxes and polishes
- ❖ Floor strippers, industrial and institutional cleaning
- ❖ Adhesives

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

(Wilhelmy plate method.)

- ❖ 15.3 dyn/cm at 0.01 % (active material)
- ❖ 15.0 dyn/cm at 0.05 %
- ❖ 14.9 dyn/cm at 0.1 %
- ❖ 14.3 dyn/cm at 0.3 %



### STORAGE AND STABILITY

**HEXAFOR™ 645** is stable for one year if stored in original closed drums at temperatures of 4 – 45°C (39 – 113°F). Avoid freezing. If frozen let it return to room temperature.

### PERSONAL SAFETY

**HEXAFOR™ 645** does not contain toxic substances.

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## TECHNICAL DATA SHEET



Non volatile content: 25 – 27%  
pH : 4 – 6

Consult the current **Material Safety Data Sheet** for safety use of the product.

### SOLUBILITY

Water, 2-propanol, tert-butanol, Hexasol,

### PACKAGING

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

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

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