



HEXAFOR™ 675

SHORT PERFLUORINATED CHAIN FLUOROSURFACTANT

DESCRIPTION

HEXAFOR™ 675 is a water soluble, ethoxylated non-ionic fluorosurfactant that effectively reduces surface tension at very low concentrations. **HEXAFOR™ 675** is based on **short-chain molecule containing 6 fluorinated carbon atoms**, that cannot breakdown to PFOA in the environment

SPECIAL FEATURES

- ❖ Specifically for water based systems
- ❖ Good reduction of surface tension at very low concentrations
- ❖ Excellent levelling
- ❖ Reduced orange peel effect
- ❖ Improved wetting of most water-solvent based
- ❖ High Flash Point (not flammable)
- ❖ Short chain (C6) technology
- ❖ Meets the goals of the voluntary U.S. EPA 2010/2015 PFOA Stewardship Program
- ❖ **HEXAFOR™ 675** is exempt from the obligation imposed by REACH regulation because it is classified as a polymer.
- ❖ Targeted below LOD for PFOA (**PFOA free***)

ROSS-MILES FOAM VOLUME at 25°C (DI water) [ml]

	Initial	5 min
0.1% of active material	275	216

SPECIFICATION

Non volatile content: 50 – 53%
pH : 3 – 6

APPLICATIONS

HEXAFOR™ 675 expresses its best properties already at very low concentration (0.02 – 0.2%).
Some examples of application:

- ❖ Paint, coating and inks
- ❖ Waxes and polishes
- ❖ Floor strippers, industrial and institutional cleaning
- ❖ Metals treatments
- ❖ Adhesive

TECHNICAL INFORMATION

APPEARANCE	clear liquid
IONIC NATURE	Non ionic
DENSITY	1.16 g/cm ³
FLASH POINT	111°C (70°F)
MOLECULAR WEIGHT	900 (indication only)
COMPOSITION	50 - 53% active material 23 - 24 % ethylene glycol 24-26 % Water

SOLUBILITY

>2% in Water, Butyl Cellosolve, Isopropyl alcohol, Methyl Ethyl Ketone, DPM,

SURFACE TENSION IN DEIONIZED WATER AT 25°C

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

- ❖ 22.3 dyn/cm at 0.01 % (active material)
- ❖ 18.6 dyn/cm at 0.05 %
- ❖ 18.0 dyn/cm at 0.1 %

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TECHNICAL DATA SHEET



STORAGE AND STABILITY

HEXAFOR™ 675 is stable for two years if stored in original closed drums at temperatures of 4 – 45°C (39 – 113°F). Stable to freezing; heating is not recommended (flammable liquid).

PERSONAL SAFETY

HEXAFOR™ 675 does not contain toxic substances. Consult the current **Material Safety Data Sheet** for safety use of the product.

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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