



## IL SHIM FINE CHEMICALS

# *CEPTOL™ FLN 025*

### SHORT PERFLUORINATED CHAIN FLUOROSURFACTANT

#### ■ DESCRIPTION

**CEPTOL™ FLN025** is a nonionic fluorinated surfactant that effectively reduces surface tension at very low concentrations for water based systems.

**CEPTOL™ FLN025** is based on short-chain molecule containing 6 fluorinated carbon atoms, that cannot breakdown to PFOA in the environment.

Low addition levels of **CEPTOL™ FLN025** provides exceptional wetting, levelling, reduced orange peel effect, making it perfect as additive for floor polish, wax formulation, paint and coating.

#### ■ SPECIAL FEATURES

- Specifically for water-solvent based systems
- Good reduction of surface tension
- Excellent leveling
- High flash point
- Low foam forming
- High thermal stability
- Reduced orange peel effect
- Improved wetting of most solvent based systems
- **CEPTOL™ FLN025** is exempt from the obligation imposed by REACH regulation because it is classified as a polymer.

#### ■ TECHNICAL INFORMATION

Properties	Typical Values
Appearance	Clear yellow liquid
Gardner Color	2.2 – 2.7
Refractive Index	1.43
Specific gravity	1.006 g/cc
Density (kg/L)	3.8
Flash point (Setaflash closed cup)	78°C (173°F)
pH (of 1% aqueous solution)	4.5
Viscosity	14
Solubility in water	1.0 wt%
Ionic type	Non-ionic, polymeric
Composition	25% fluoroaliphatic polymeric esters in dipropylene glycol monomethyl ether

Note: All values determined at 25°C (77°F) unless otherwise specified.



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## ■ APPLICATIONS

CEPTOL™ FLN025 is a dilute solution of 25% active fluorochemical surfactant in a water miscible diluent. It may be used as a flow and leveling agent in various applications including, inks, paints and coatings, polymers, adhesives, waxes, polishes and caulks, as well as other industrial coatings. CEPTOL™ FLN025 can provide benefits for dirt pick up resistance and stain resistance in certain applications including architectural paints and coatings.

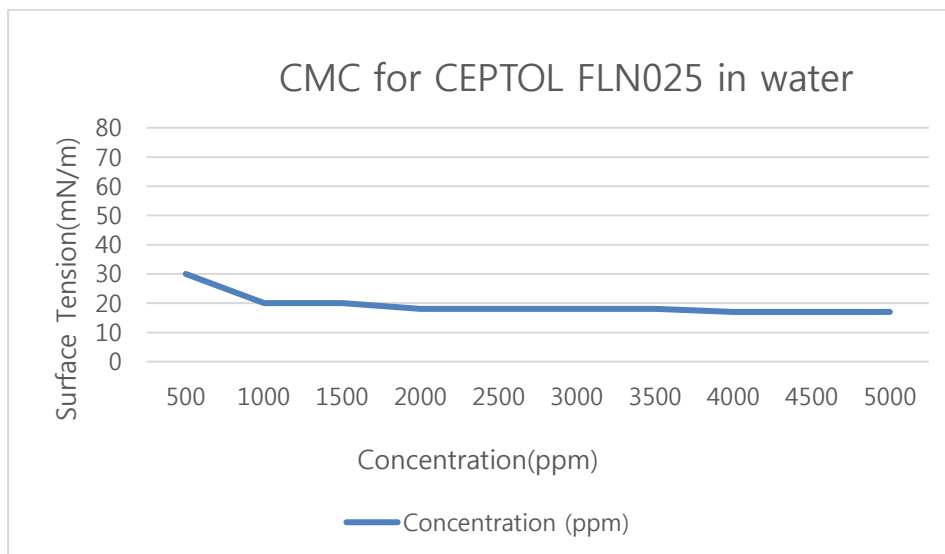
Recommended use level is between 0.05% and 0.3% active surfactant. However, use level can vary depending on the application and concentration of other additives and solvents in the formulation.

Some examples of application:

- Paint and coating
- Floor waxes and polishes
- Adhesive and caulks
- Graphic arts
- Industrial cleaners
- Electronic

## ■ Surface Tension/CMC (in water)

CEPTOL™ FLN025 is very efficient at reducing the surface tension in aqueous coating systems.



## ■ FOAM VOLUME A 40° C (in deionized water)[ml]

(Ross-Miles test according to ASTM D 1173)

Initial 5 min

	Initial	5 min
0.15% of active material	157	80
0.5% of active material	216	100



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## ■ PERSONAL SAFETY

does not contain toxic substances.

Please, consult the current **Material Safety Data Sheet** for safe use of the product.

## ■ PACKAGING

- \_ Kg 5 – Drum
- \_ Kg 25 – Drum
- \_ Kg 100 – Drum

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