



# Newsletter HomeCare 6/2021

Thetawet Grades:  
Superior Wetting Agents For HI&I Formulators

## Short-chain fluorosurfactants

Fluorosurfactants are a class of specialty surfactants demonstrated for use in applications where traditional hydrocarbon surfactants either can't deliver the required levels of performance needed in wetting, leveling, liquid penetration or foam generation... at any concentration, or lack the chemical or thermal stability to perform in harsh environments. The exceptional efficiency of fluorosurfactants for performance at very low levels relative to hydrocarbon surfactants

## Content

- Why Thetawet?
- Applications

allows for lower overall surfactant use, and often as the most cost effective solution in actual use.

If you're looking for exceptional wetting agents that are efficient at low end-use concentrations, take a look at Thetawet short-chain fluorosurfactants.

## Why Thetawet?

Often used along with traditional and specialty surfactants, Thetawet FS-series short-chain fluorosurfactants deliver maximum performance and efficiency.

Thetawet grades are stand-out because:

1. They lower surface tension to levels below what's achievable with other surfactants (< 20 dynes/cm)
2. They have a broad range compatibility with other additives
3. They are stable at extreme pH and with a high loading of additives
4. They can improve the overall performance of your end product

We are pleased to supply three highly effective Thetawet grades, each with a wide range of applications for HI&I formulators.

Thetawet	Ionic Type	Form	% Solids	Diluent
FS-8050	Nonionic	Liquid	50	Water
FS-8150	Nonionic	Turbid liquid	25	Water
FS-8250	Anionic	Turbid liquid	28	Water

### Thetawet FS-8050

Thetawet FS-8050 is a VOC-free, water-soluble nonionic ethoxylated fluorosurfactant with 50% actives. It offers outstanding wetting of low-energy substrates such as plastic, metal, glass, oily substrates, waxy surfaces, fluoropolymer and silicone treated fabrics. Thetawet FS-8050 is a foaming product.

### Thetawet FS-8150

Thetawet FS-8150 is a VOC-free nonionic fluorosurfactant that offers **excellent surface tension reduction when used at levels of 0.01 to 0.1%**. It performs well in severe thermal and chemical environments and is low foaming. We recommend use of no more than 0.25% in formulations due to limited water solubility.

*Thetawet FS-8150 also has anti-fogging properties, so can be used to impart (or even boost) anti-fog properties of things like glass cleaners – ideal for the current climate in which many people are struggling to wear masks and glasses together because of fogging.*

### Thetawet FS-8250

Thetawet FS-8250 is a VOC-free, anionic fluorosurfactant which provides anti-blocking in paints and release properties to adhesives. It is a very low foaming product, giving excellent wetting and leveling benefits.

## Applications

Application	Thetawet FS-8050	Thetawet FS-8150	Thetawet FS-8250
Floor finishes and sealers	✓	✓	✓
Adhesives	✓	✓	✓
Degreasers	✓	✓	
Caustic bottle washing	✓	✓	
Floor cleaners and strippers	✓	✓	
Caulks and sealants	✓	✓	
Industrial cleaners	✓	✓	
Oil Field applications	✓	✓	
Household cleaners	✓	✓	
Inks	✓	✓	
Brine foaming	✓	✓	
Paints and Coatings	✓	✓	
Pickling baths	✓	✓	
Mold Release	✓	✓	✓
High acid/base, and oxidizer formulations	✓	✓	
Industrial and Architectural Paints & Coatings			✓
High solids coatings			✓
Automotive finishes and top coats			✓
Lacquers and polishes			✓
Release additive, anti-block			✓

### Imprint

HARKE Chemicals GmbH  
Xantener Str. 1  
45479 Mülheim an der Ruhr  
Germany

Managing Directors:  
David Lupp  
Jens Prinssen  
Yuvaraj Govinda Pillai

### Picture credits

©iStockphoto / Artist's name: Spiderplay