



# EXODISS FAE80

extreme powerful  
high solids wetting agent

## PRODUCT DESCRIPTION

Exodiss FAE80 is a concentrated surfactant blend used in a wide variety of applications because of its excellent wetting, dispersing and emulsifying properties.

## PRODUCT NAME

Proprietary sulfosuccinate blend

## BENEFITS

- Extreme powerful wetting agent
- Effective release agent
- Surface tension depressant
- Rapid migration to the interface
- Dispersant
- Emulsifier
- Poor foam stability
- High electrolyte stability
- Good biodegradability

## APPLICATIONS

### Key areas

- inks
- adhesives
- coatings (overprint varnishes)
- detergents (window cleaners)
- emulsion polymerization



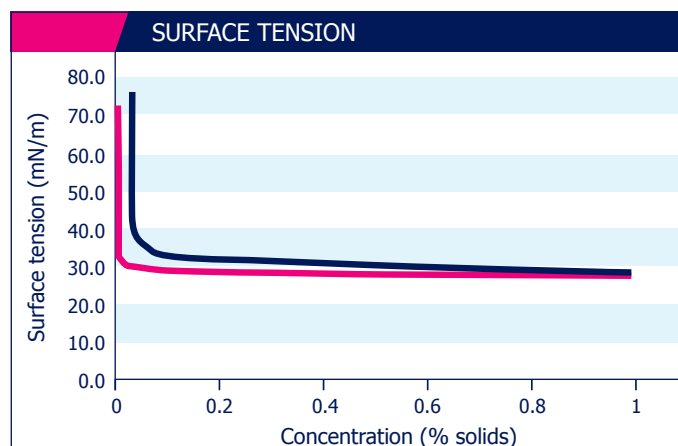
### Other industries

- textile
- metal
- paper
- plastic
- paints
- petroleum
- glass
- construction
- rubber
- crop protection

## PROPERTIES

### SURFACE TENSION

Surface tension measurements are performed using the du Noüy ring method on dilutions of Exodiss FAE80 in water as well as in presence of electrolyte. Very fast decreasing of surface tension is observed at low surfactant concentrations. Excellent salt tolerance and faster decrease of surface tension are measured in presence of 0.5% sodium chloride.



Exodiss FAE80

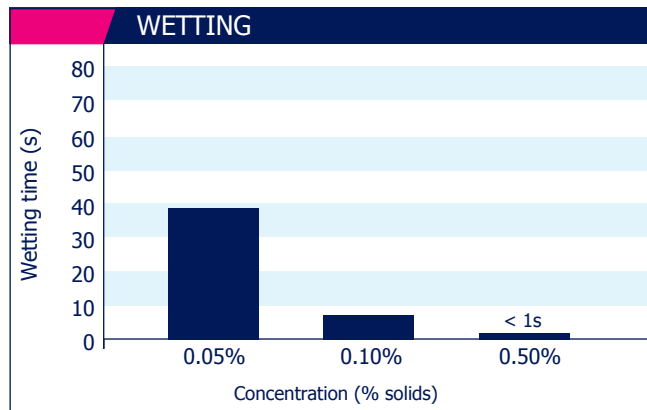
Exodiss FAE80 + 0.5% NaCl

## WETTING PROPERTIES THROUGH ABSORPTION

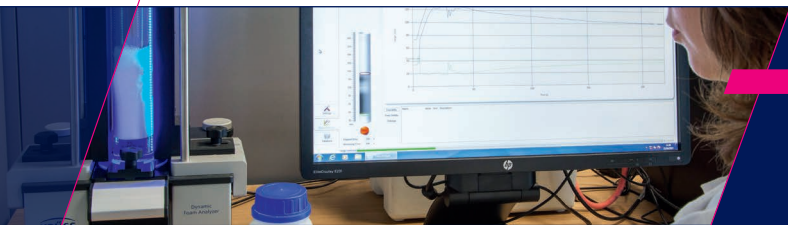


Draves test according to ISO method 8022 is used in order to illustrate the wetting ability of a surfactant solution by displacing air from a standardized piece of cotton. The shorter the time required until the cotton piece starts to sink, the better the wetting performance of the surfactant solution. Exodiss FAE80 shows excellent wetting properties at very low concentrations of use (from 0.10% w/w dosage).

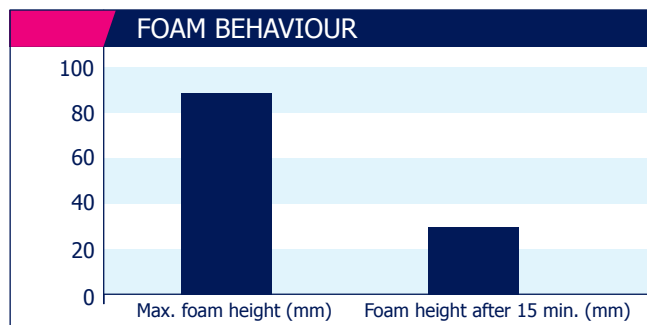
Time	Wetting behaviour
t < 15s	good wetting agent
15s < t < 60s	moderate wetting agent
t > 60s	bad wetting agent



## FOAM BEHAVIOUR



Foam formation and foam stability of 0.05% solids solutions of Exodiss FAE80 are studied using the Krüss Dynamic Foam Analyzer. Exodiss FAE80 shows moderate foaming and poor foam stability.



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