

The DOW logo is a red diamond shape with the word "DOW" in white, bold, sans-serif capital letters. A registered trademark symbol (®) is located to the right of the diamond.

Low foam surfactant for hard surface cleaning

ECOSURF™ LFE-635 Surfactant

ECOSURF™ LFE-635 Low Foam Surfactant

Dow has introduced a new low foam surfactant product family which offers excellent hard surface cleaning performance. ECOSURF™ LFE-635 exhibits excellent cleaning and degreasing of hard surfaces compared to industry benchmarks. It is compatible with a wide range of nonionic, anionic and cationic formulations. ECOSURF™ LFE-635 is a liquid surfactant with excellent handling properties.

As an industry leader in sustainability, we are committed to reducing our environmental footprint, increasing resource efficiencies, and developing multi-functional products that do more for consumers. ECOSURF™ LFE Series Surfactants are readily biodegradable, low foam surfactants with very low aquatic toxicity, which meet or exceed existing environmental regulations. These surfactants meet the criteria for US EPA's Safer Choice program.

Table 1: Typical product properties⁽¹⁾

Surfactant	ECOSURF™ LFE-635
% Actives	100
Cloud point (°C) 1% AO.	35
CMC ⁽²⁾	315
Surface tension ⁽³⁾	32
HLB	9.9
Drape wetting (SEC)	17
Readily biodegradable	Yes
Meets US EPA Safer Choice criteria	Yes

⁽¹⁾These are typical properties, not to be construed as specifications.

⁽²⁾Critical micelle concentration: ppm at 25°C.

⁽³⁾Equilibrium surface tension: dynes/cm at 1% actives, 25°C.



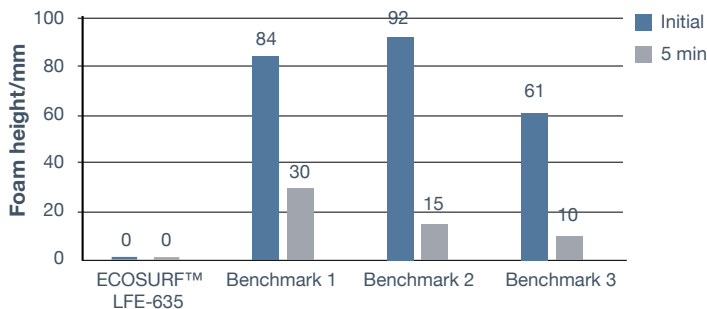
ECOSURF™ LFE-635 Low Foam Surfactant

Ross-Miles foam

Figure 1. Ross-Miles foam height, 1 wt% actives, 25°C

Low foam performance of ECOSURF™ LFE-635 is markedly improved over several industry benchmarks.

Both initial and five-minute foam heights for ECOSURF™ LFE-635 are **zero** mm.

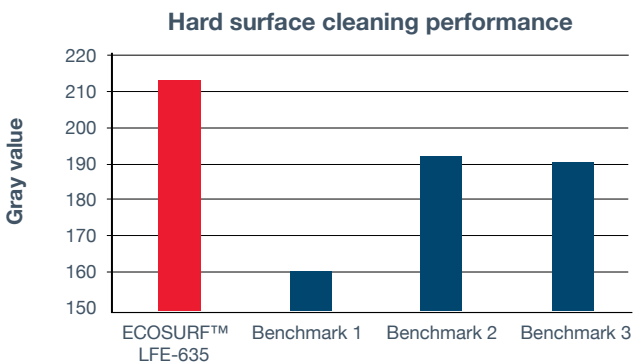


ECOSURF™ LFE-635 Surfactant

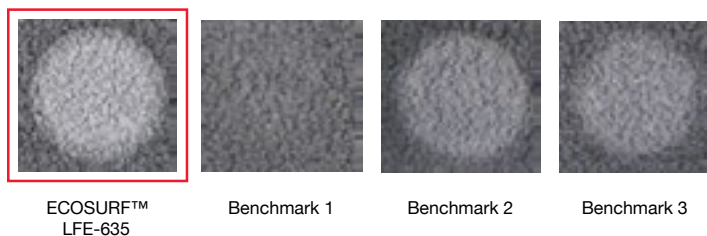
Ross-Miles foam

Figure 2. Excellent hard surface cleaning performance

ECOSURF™ LFE-635 exhibits excellent cleaning and degreasing of hard surfaces compared to industry benchmarks. It is compatible with a wide range of nonionic, anionic and cationic formulations.



Generic hard surface cleaner formulation, carbon black/vegetable oil on vinyl tile surface.



Let's work together to meet your industrial and institutional cleaning formulating needs. For more information on products, samples or technical assistance, connect with us at dow.com/iicleaning.

About Dow

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