



DATA SHEET

Pureact 138

Decyl Glucoside (and) Sodium Lauroyl Lactylate

CAS RN: 68515-73-1, 110615-47-9, 58846-77-8, 141464-42-8, 13557-75-0

Key Benefits

- Extremely Mild
- Amide Free
- Cold Process
- Sulfate Free
- Preservative Free
- Clear Final Product
- EO Free
- “Re-fatting” Skin After feel
- Rich Foam

Pureact 138 is a natural, mild surfactant combination comprised of Decyl Glucoside and Sodium Lauroyl Lactylate.

This optimized blend is easy to use, requiring no heat during mixing, and provides exceptional foaming in finished formulations

Both components are derived from natural, readily renewable resources.

Pureact 138 has a very stable foam profile even over a broad pH range of 4 - 7.

Applications

- Body Washes
- Shampoos
- Natural Products
- Hand Soaps
- Baby Products
- Facial Cleansers

Usage Levels

- As a primary surfactant – 20-40%
- As a secondary surfactant – 2-15%

Storage and Handling

Product should be stored in the closed containers.

Store containers at room temperature.
If sample freezes, allow to come to room temperature before use.

Typical Properties

Not intended for use in preparing specifications

Appearance @ 25°C	Clear to slightly hazy yellow to amber liquid
Total Solids, %	50.0 – 59.0
pH, 10% Solution	5.0 – 9.0
Ash, %	5.0 Maximum
Specific Gravity @ 25°C	1.05 – 1.15

Container Pack Size

450 lb (net) open head poly drum

* Samples Available Upon Request

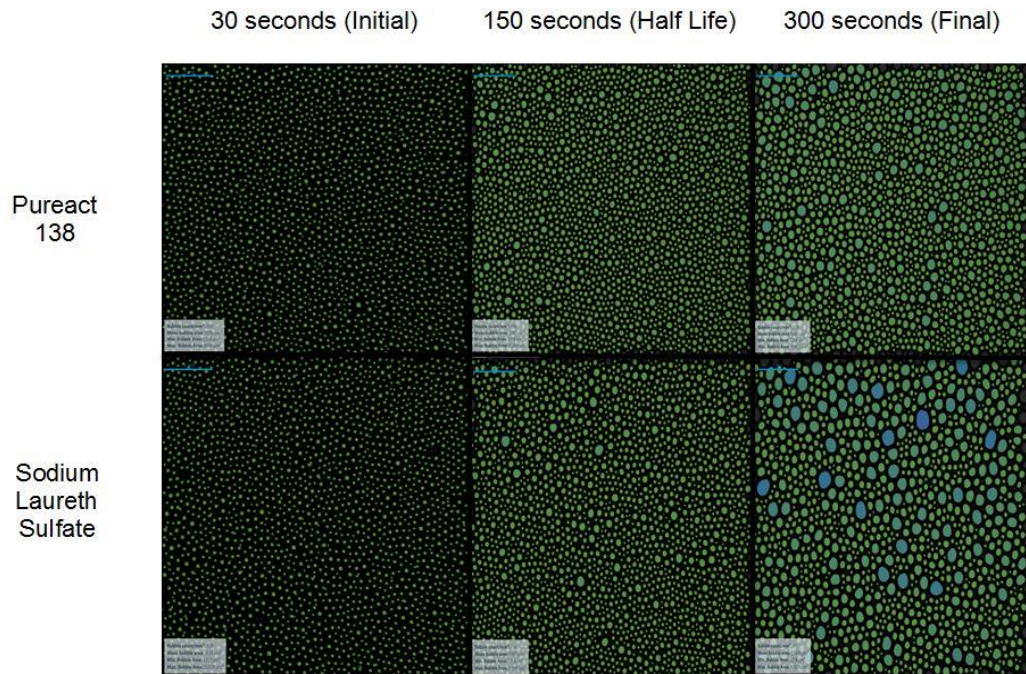
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Foam Imaging

Foam analysis was performed using the KRUSS Dynamic Foam Analyzer. This method examined foam structure, quantity, and stability over a determined period of time. As shown above, 1% active solutions were prepared of both the Pureact 138 and Sodium Laureth Sulfate. Each sample was aspirated and sparged, then time elapsed pictures were captured.

Pureact 138 displayed a tight, compact foam that exhibited a slow rate of degradation. In contrast, Sodium Laureth Sulfate had a comparable initial point but over time the bubbles became larger and less stable (depicted by the blue bubbles).



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