PILOT CHEMICAL COMPANY

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CALFOAM® ES-603

PRODUCT DATA SHEET

PDS 336S00.5.ACTIVE.02132025

PRODUCT DESCRIPTION

Calfoam® ES-603 is a 60% active solution of sodium lauryl ether sulfate having an average 3 moles of ethylene oxide containing ethanol. Calfoam® ES-603 is produced via a state-of-the-art continuous sulfation technology yielding a very high purity, low salt, and low color product that is perfect for many personal care and HI&I applications.

COMMON CHEMICAL NAME

Sodium Laureth Sulfate

CAS #

68585-34-2

TYPICAL PROPERTIES

Appearance (25°C)	Clear, pale-yellow liquid
Active, wt.%	60.0
Unsulfated Material, wt.%	< 3.0
Sodium Sulfate, wt.%	< 1.0
Sodium Chloride, wt.%	< 0.50
Color (25% active solution), APHA	> 30
Alcohol Content, wt. %	13.0 – 16.0
Density (25°C), lb./gal.	8.74
Foam Height (25°C;1% active), mm.	Initial: 143; 5 Minutes: 136
pH (10% solution)	7.0-9.0
Shelf Life	1 Year

APPLICATIONS

Calfoam® ES-603 is an anionic surfactant with luxurious, mild, and copious foam that is gentle to the skin and hair, perfect for personal care formulations. Calfoam® ES-603 also has outstanding detergency and cleaning properties for household, industrial & institute cleaning formulations. It performs well under a range of conditions when used alone or in combination with other surfactants. Calfoam® ES-603 is perfect for: shampoo, body wash, hand soap, pet shampoo, laundry, dishwash, carwash, all-purpose cleaner, degreasers, and many more cleaning formulations.

ADVANTAGES

Calfoam® ES-603 is a higher active surfactant that is pourable and pumpable at ambient temperatures. Calfoam® ES-603 provides excellent flash foaming, foam stability, air entrainment, detergency, mildness and offers a remarkable viscosity response with amides and/or betaines. Calfoam® ES-603 has a high tolerance for pH increases and is relatively unaffected by changing water hardness. Calfoam® ES-603 is CleanGredients® Listed, which means it has been preapproved by the U.S. EPA to meet the criteria of their Safer Choice Standard. This certification may streamline the approval process for EPA's Safer Choice program, getting a formulator's Safer Choice labeled product to market faster.

STORAGE & HANDLING

Please refer to the Calfoam® ES-603 Safety Data Sheet (SDS) before storing, handling or using. Avoid contact with eyes, skin and clothing. Wear appropriate personal protective equipment and observe good industrial hygiene practices. Material is slippery on wet and hard surfaces. Store in a plastic or plastic lined steel, tightly closed container. Do not store with strong oxidizing agents. 1,4-Dioxane levels may change as a result of time, temperature, pH and other product ingredients. Do not store product above ambient temperature (~65-78°F or ~18-26°C). Storage of product above ambient temperature can generate, affect or increase 1,4-Dioxane levels in the product.

PACKAGING

Calfoam® ES-603 is available in 450 lb. poly or steel drums and bulk quantities.

See additional product information at www.pilotchemical.com.

The information and suggestions given are drawn from data we believe to be reliable, but in all cases, the user should check and confirm the suggestions and results in his own use before proceeding further. None of the suggestions or recommendations constitute freedom from any patents that may be existent in the field or be issued.

RESPONSIBLE CARE®