PILOT CHEMICAL COMPANY

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CALFOAM® ES-603 8 MAX

PRODUCT DATA SHEET

PDS 336S03.5.ACTIVE.02132025

PRODUCT DESCRIPTION

Calfoam® ES-603 8 MAX is a 60% active solution of sodium lauryl ether sulfate having an average 3 moles of ethylene oxide containing ethanol. Calfoam® ES-603 8 MAX has up to 8 ppm (at time of lot creation) 1,4-Dioxane. Calfoam® ES-603 8 MAX is an anionic surfactant of choice for 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
1,4-Dioxane (as is), ppm	8 Max. (at time of lot creation)
Shelf Life	1 Year

APPLICATIONS

Calfoam® ES-603 8 MAX 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 8 MAX also has outstanding detergency and cleaning properties for household, industrial & institutional cleaning formulations. It performs well under a range of conditions when used alone or in combination with other surfactants. Calfoam® ES-603 8 MAX 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 8 MAX has up to 8 ppm (at time of lot creation) 1,4-Dioxane. Calfoam® ES-603 8 MAX is a high purity, low salt, and low color sodium laureth sulfate that offers excellent flash foaming, foam stability, air entrainment, detergency, and mildness. Calfoam® ES-603 8 MAX 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

Refer to the Calfoam® ES-603 8 MAX SDS (Safety Data Sheet) 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 8 MAX 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.

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