PILOT® CHEMICAL COMPANY

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CALFOAM® ES-303

PRODUCT DATA SHEET PDS

333S00.8.ACTIVE.04292026

PRODUCT DESCRIPTION

Calfoam® ES-303 is a 28% active solution of sodium lauryl ether sulfate that contains an average of 3 moles of ethylene oxide. Calfoam® ES-303 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, colorless to yellow liquid
Activity, wt. %	28.0
Unsulfonated material, wt. %	< 1.5
Sodium Sulfate, wt. %	< 1.0
Sodium Chloride, wt. %	< 0.3
Color (as is), %T	90.0 Min.
pH (10% solution)	7.0 – 8.5
Viscosity (25 °C), cPs	< 150
Foam Height (1% active solution, 25 °C), mm	Initial: 138.67; 5 Minutes: 133.00
Freeze Point	28.4°F (-2 °C)
Shelf Life	2 Years
Appearance (25 °C)	Clear, colorless to yellow liquid

APPLICATIONS

Calfoam® ES-303 is an anionic surfactant that provides mild and profuse foam that is gentle to the skin and is perfect for personal care and HI&I formulations. Calfoam® ES-303 is a great flash foamer, creates very dense foam and performs well under a range of conditions in formulations when used alone or in combination with other surfactants. Calfoam® ES-303 is perfect for bubble bath, shampoo, shower gel, facial cleanser, liquid hand cleaner, fabric care, hand dish wash, and car care products.

ADVANTAGES

Calfoam® ES-303 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-303 does not contain a diluent alcohol, important for formulas that require the absence of a solvent.

Calfoam® ES-303 is CleanGredients® Listed, which means it has been pre-approved 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.

Calfoam® ES-303 is on the List of Trade Names of Inert Ingredient Database. Calfoam® ES-303 is approved for use as an inert ingredient in pesticide formulations for pre-harvest application and is exempt from the requirement of a tolerance under 180.920 without limitations.

STORAGE & HANDLING

Refer to the Calfoam® ES-303 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, 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-303 is available in 450 lb. poly. drums, 2300 lb. poly. totes, 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® Driving Safety & Sustainability