PILOT® CHEMICAL COMPANY

We're going further®

www.pilotchemical.com
9075 Centre Pointe Drive • Suite 400
West Chester, OH 45069

CALFOAM® ES-702

PRODUCT DATA SHEET

PDS 327S00.1.ACTIVE.04192023

PRODUCT DESCRIPTION

Calfoam® ES-702 is a 70% active solution of sodium lauryl ether sulfate that contains an average of 2 moles of ethylene oxide. Calfoam® ES-702 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)	Hazy, colorless to yellow viscous liquid
Activity, wt. %	70.0
Unsulfonated material, wt. %	< 3.0
Sodium Sulfate, wt. %	< 2.0
Sodium Chloride, wt. %	< 0.5
pH (4% solution)	8.0 – 10.0
Foam Height (1% active solution, 25°C), mm	Initial: 148.00; 5 Minutes: 145.67
Freeze Point	29.7ºF (-1.3ºC)
Shelf Life	1 Year

APPLICATIONS

Calfoam® ES-702 is an anionic surfactant that provides luxurious, mild, and copious foam that is gentle to the skin and is perfect for personal care and HI&I formulations. Calfoam® ES-702 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-702 has a high tolerance for pH increases and is relatively unaffected by changing water hardness, which enables many industrial cleaner formulations to benefit from using this surfactant. Calfoam® ES-702 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-702 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-702 does not contain a diluent alcohol, important for formulas that require the absence of a solvent.

Calfoam® ES-702 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

HANDLING & STORAGE

Refer to the Calfoam® ES-702 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-702 is available in 480 lb. poly. drums, 2300 lb. poly. totes, and bulk quantities.

See starting formulas and 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 confim 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® OUR COMMITMENT TO SUSTAINABILITY