PILOT® CHEMICAL COMPANY

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

CALFOAM® ES-702 10 MAX

PRODUCT DATA SHEET

PDS 327S06.7.ACTIVE.06072023

PRODUCT DESCRIPTION

Calfoam® ES-702 10 MAX is a 70% active solution of sodium lauryl ether sulfate that contains an average of 2 moles of ethylene oxide and up to 10 ppm (at time of lot creation) 1,4-Dioxane. Calfoam® ES-702 10 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)	Hazy, colorless to yellow viscous liquid
Activity, wt. %	70.0
1,4-Dioxane (as is), ppm	10 Max. (at time of lot creation)
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 10 MAX 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 10 MAX 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 10 MAX 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 10 MAX 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 10 MAX has up to 10 ppm (at time of lot creation) 1,4-Dioxane. Calfoam® ES-702 10 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-702 10 MAX does not contain diluent alcohol, important for formulas that require the absence of a solvent.

Calfoam® ES-702 10 MAX is on the List of Trade Name of Inert Ingredients Database. Calfoam® ES-702 10 MAX is approved for use as an inert ingredient in pesticide formulations for non-food applications only.

Calfoam® ES-702 10 MAX 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.

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STORAGE & HANDLING

Refer to the Calfoam® ES-702 10 MAX 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 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 10 MAX is available in 480 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.