

Sodium Lauroyl Lactylate

Cat. No. SLGZ-0002

Lot. No. (See product label)

Introduction

Description

Sodium Lauroyl Lactylate is the sodium salt of the lauric acid ester of lactyl lactate. It is an anionic cosmetic surfactant and emulsifying agent with a lipophilic lauroyl chain and a hydrophilic lactylate group.

Applications

Cosmetic formulation applications include skin-cleansing products, body and hand preparations, hair-grooming products, and emulsified personal-care systems.

Synonyms

Sodium 2-(1-carboxylatoethoxy)-1-methyl-2-oxoethyl laurate

Product Information

CAS No.

13557-75-0

Molecular Formula

C₁₈H₃₁NaO₆

Chemical Name

Dodecanoic acid, 2-(1-carboxyethoxy)-1-methyl-2-oxoethyl ester, sodium salt (1:1)

Molecular Weight

366.43 g/mol

Structure

Anionic amphiphile containing a lipophilic lauroyl tail and a hydrophilic lactylate head.

Function

Surfactant; emulsifying agent.

Solubility

Hydrates readily in water at ambient temperature.

Grade

Cosmetic grade

Notes

The Cosmetic Ingredient Review concluded that Sodium Lauroyl Lactylate is safe in cosmetics under the reported practices of use and concentration when formulated to be nonirritating and nonsensitizing.

Usage

Reported maximum cosmetic-use concentrations in the CIR survey were up to 10% in rinse-off skin-cleansing products and up to 6.1% in non-spray body and hand leave-on products. These are reported use levels, not formulation instructions.