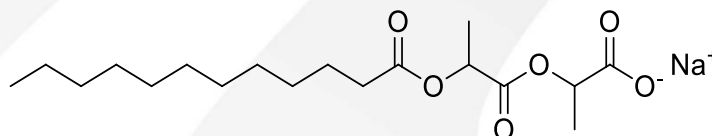


TECHNICAL DATA SHEET

Product Name**Galsoft SLL****DESCRIPTION**

Chemical Name	: Sodium 2-(1-carboxylatoethoxy)- 1-methyl-2-oxoethyl laurate
INCI Name	: Sodium Lauroyl Lactylate
CAS Number	: 13557-75-0
EC Number	: 236-942-6
Chemical Structure	:

**TECHNICAL SPECIFICATION**

Appearance/Nature	: Clear viscous liquid to soft waxy solid
Odor	: Characteristic
Colour on Gardner, maximum	: 5.0
pH (10% 50:50 IPA:Water)	: 4.5 - 6.5
Acid Value (mg of KOH/gm)	: 90 - 130
Saponification Value (mg of KOH/g)	: 270 - 350
Moisture, % by mass (by Karl Fischer), maximum	: 1.0
Pour point	: 45 - 50°C

PROPERTIES

- Galsoft SLL is a class of nitrogen-free and sulfate-free anionic surfactant derived from natural and bio renewable resources by reacting lactic acid with lauric acid. It is an environment friendly replacement of amide free and sulfate free application
- It is well known in the food industry and in personal care applications as they function as viscosity builders, emulsifiers, foam boosters, stabilizers, skin feel enhancement and can also be used as secondary surfactants
- They have improved stability characteristics e.g. hydrolytic stability (such as aqueous hydrolytic stability), pH stability and phase stability and improved multifunctional performance properties (e.g. skin and/or hair softness and moisturization) that may be utilized in rinse-out and leave-on skin and hair applications such as a body wash, shampoo, liquid hand soap, bubble bath, skin cream, lotion, and the like
- Lactylates are mild to skin and also has antimicrobial activity

APPLICATIONS

- Rinse-off products- shampoos, body wash, shower gels, face cleansers, baby care products, hand wash
- Leave-on products-creams, conditioners, lotions, hair styling products, deodorant roll-on / sprays, sunscreens, colour cosmetics
- Wipes- wet wipes, baby wipes, face wipes

USAGE GUIDELINES

- Recommended usage levels: 0.5 - 5.0%

KEY BENEFITS

- Skin moisturization and a smooth feel on application
- Mild to skin
- Readily biodegradable and environment friendly
- Both thermally stable and amenable to cold processing conditions

PACKING

Galsoft SLL is available in HMHDPE carboys/jerrycans

HANDLING AND STORAGE

Store the material in a clean, dry place at 20-40°C away from direct heat, sunlight and moisture. Keep the containers tightly closed. Product solidifies, if stored at <10°C. Solidification is also possible during prolonged storage at temperature 27-30°C. If it gets solidified, then keep the carboys/jerrycans in hot room of temperature 40-50°C to bring back the material to liquid state. Entire mass has to be made homogeneous before use. Once carboy/jerrycans is opened, consume the product within a week. Prolonged exposure for days at temperature above 45°C can lead to colour deterioration. In original sealed condition, when stored as suggested, shelf life of the product is one year. During storage, carboys shall not be kept one above the other and for pallets, stacking should be maximum 1+1

Spill should be contained / collected and disposed off in accordance with the regulations. Avoid ingestion and contact with skin, eyes and clothing. In case of contact with eyes and skin, wash with plenty of water and seek medical advice

Product Name : **Galsoft SLL**
Version : 02
Date of issue : 10th March, 2021
TDS Prepared by : PD/SY
Authorized by : BP

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