

## PRODUCT DATA SHEET

### ESTOSOFT-SSL

**Chemical Name**

SODIUM STEAROYL LACTYLATE (SSL)

**CAS Number**

25383-99-7

**EEC Number**

E 481

**Origin**

VEGETABLE

**Specifications**

Appearance	Creamish powder.
Odour	mild fatty.
Iodine value cc/100gm	2.0 max.
Acid value mgKOH/gm	60-80 max.
Saponification value mgKOH/gm	190-230
Ester value mgKOH/gm	150-190
Total Lactic content	31-34
Sodium content	3.5-5%
Melting point deg. cel.	47-52 deg.
HLB value	8.1

**Packing**

25kg net carton case with inner PE bag.

**Storage**

Store in cool and dry place away from sunlight at ambient temperature. The material should be retested after storage for one year.

**Applications**

ESTOSOFT-SSL Sodium stearoyl lactylate is an emulsifier with a very high hydrophilic-lipophilic balance (HLB) and is therefore an excellent emulsifier for fat-in-water emulsions. It also functions as a humectant. It finds widespread application in baked goods, liqueurs, cereals, chewing gum, desserts, and powdered beverage mixes. Stearoyl lactylates are found in the majority of manufactured breads, buns, wraps and , and many similar bread-based products. Because of its efficiency as an emulsifier, it is possible to use less of it than other similar additives; for example, it can be used in quantities only a tenth as large as soya-based emulsifiers.

It is most widely used in bread as it has high capacity for water adsorption, give more volume to dough resulting extra loafs which adds profit to bakers.

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**ESTELLE CHEMICALS PVT. LTD .**G- 20/5 ,MIDC,  
AHMEDNAGAR - 414111,  
MAHARASHTRA, INDIA.**Tel :** +91-241-277 9199  
**Tel :** +91-241-277 9383.  
**Fax :** +91-241-660 1605.**Email:** info@estellechemicals.com  
**Email:** estellechemicals@gmail.com  
**Website :** www.estellechemicals.com