

Sodium Stearoyl Lactylate(SSL)

CAS No.: 25383-99-7

DESCRIPTION

Sodium Stearoyl Lactylate can be dispersed well in hot water and soluble in ethanol and hot oils and fats with pleasant caramel-like odor. It is an anionic emulsifier with HLB value of 8.3 which can be used for multiple purposes, such as emulsification, aging resistance, gluten fortifying and fresh-keeping in many kinds of foods, such as bread, steam bread, noodle and fast noodle and dumpling. It can also be used as an emulsifier in milk, non-dairy creamer, margarine, fresh cream, meat products, animal and vegetable oils, etc.

APPLICATION

- (1) For bread and steam bread: Increase the springiness, toughness and gas-holding capability of dough, increase volume of the bread and steam bread and improve the organization and structure.
- (2) It can react with amylose to delay and prevent the food aging.
- (3) For Biscuit: It can make it easier to remove biscuits from moulds to produce smooth appearance, distinct layers and crisp feeling in mouth.
- (4) It can make hot and spicy food more pliable and softer and prolong the preservation time.
- (5) For Noodle: It can produce smoother surface, lower broken ratio, higher soaking and boiling resistance for noodle, dried noodle and instant noodle, and make them chewier.
- (6) For Frozen food: Enhance the quality of quick frozen food, improve their organization and structure, and prevent surface cracking and filling escaping.

APPLICATION METHOD:

- 1) Put this product into warm water at about 60°C with proportion of 1:6 to get paste shaped substance, then add it into flour in proportion to obtain better effect.
- 2) When used in non-dairy creamer or this kind of substance, it should be heated well with emulsified substance to get homogeneous emulsion before further processing.

USAGE

Recommended to be used at level of 0.3-0.5%. Formulators can vary amount depending on its end application.

RECOMMENDED STORAGE

12 months in unopened original packaging under the storage conditions. (from date of production) Avoid sunlight, rain. Store in unbroken packaging at the cool, dry and well-ventilated place. The storage temperature should be below 15°C to minimize the agglomeration (the natural tendency).

PACKAGING

Net weight: 25kg/carton

MATERIAL SAFETY

HANDLING INFORMATION

Sodium Stearoyl Lactylate although is not harmful, contact with skin and eyes should be avoided and necessary personal protective equipment and clothing should be worn, such as chemical gloves, gas mask, eye goggles and apron. Keep away from heat and any source of ignition.

"Chemsino. has Material Safety Data Sheets (MSDS) for each products. The MSDS contain relevant information needed to safeguard your employees from any known safety and health hazard related with our products. Chemsino. provides you MSDS for all the products you evaluate or buy. Your employees should have ready access to and to be trained well on the proper use of MSDS."

TECHNICAL SPECIFICATIONS

These are typical properties and should not be taken as specifications.

Properties	Technical Index
Acid value (mgKOH/g)	60-80
Ester value(mgKOH/g)	120-190
Lactic acid(%)	23.0-34.0
Sodium content(%)	3.5-5.0
Heavy metals(Pb,ppm)	2.0 max

DISCLAIMER

"It is in good faith that we offer suggestions on the use of our products and these are based on knowledge we believe are correct and dependable. However, these suggestions are with no guarantee as process and conditions in the use of our products may vary and are beyond our control. We strongly recommend that users of our products verify the appropriateness of our suggestions before using them on a commercial scale".

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