

Cerin GMS SE/NSE Glycerol Monostearate

CAS#31566-31-1

DESCRIPTION

Cerin GMS, Glycerol Monostearate is a white powder lipophilic non-ionic surfactant with 40% monoglycerides content. It has effects of emulsification, dispersion, foaming, defoaming, starch anti-aging and fat agglomeration control. It is derived from Kosher certified materials for wider acceptance of use. Glycerol Monostearate is also known as Glyceryl Stearate, Mono and Diglycerides; Monostearin; Stearic Monoglyceride; or Stearic acid glycerol monoester.

APPLICATION

Cerin GMS is widely used in foodstuffs as thickening and emulsifying agent for margarine, shortenings, and other food products; flavorings; emulsifying agent for oils, waxes and solvents. It can also be used as protective coating for hygroscopic powders; cosmetics; opacifier and as resin lubricant

FEATURES AND BENEFITS

- Low iodine value imparting longer shelf-life of its end application
- Light color and low odor adding aesthetic appeal to end applications
- Derived from Kosher certified materials for wider acceptance of use
- Minimum of 50% monoglycerides content to enhance better emulsification at lower dosage

PACKAGING

It can be purchased in 25 kgs sacks. Special packing can be arranged.

USAGE

Recommended to be used at level of 2%. Formulators can vary amount depending on its end application.

RECOMMENDED STORAGE

This product will remain stable for 12 months from date of production provided that it is stored at ambient conditions away from moisture inlet and direct sunlight. For stored products beyond 1 year, consult Chemrez Technologies Inc. for recommendation of use.

MATERIAL SAFETY HANDLING INFORMATION

Cerin GMS 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.

"Chemrez 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. Chemrez provides you MSDS for all the products you evaluate or buy. It is also necessary that you get copies of the MSDS of the other raw materials recommended in our technical bulletins from the suppliers. 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	Method	Self-emulsifying	Non-self-emulsifying
Appearance	Visual	Cream, free flowing granules	Cream, free flowing granules
Odor	-	Light	Light
Free Fatty Acid, % (As Stearic)	AOCS Cd 3d-63	1.00 max	1.00 max
Monoglyceride Content, %	AOCS Cd 11-57	40 min.	40 min.
Soap Content, %	AOCS Cc 17-79	5.0 max	0.10 max
Moisture, %	KF Method	2. 00 max	2. 00 max
Saponification Value, mgKOH/gm	AOCS Cd 3-25	160 - 175	160 - 175
Melting Point, C	AOCS Cc 1-25	55 - 60	55 - 60
Iodine Value	AOCS Cd 1b-87	2 max	2 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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