

GMS Powder

Glycerol Monostearate

Description

Glycerol Monostearate is a white powder lipophilic non-ionic surfactant with 40% monoglycerides Content. It has effect of emulsification, dispersion, foaming, defoaming, starch anti-aging and fat agglomeration control. It is suitable for uses in PVC Pipe & Fittings.

APPLICATION

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 powder; 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 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

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.



TECHNICAL SPECIFICATIONS

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

Properties	Method	Self-emulsifying	Not-self-emulsifying
Appearance	AOCS Cd 3d-63	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

