



Oleo Misr for Oleochemicals S.A.E
أوليو مصر للأوليوكيماويات ش.م.م

Technical Data Sheet

Product Name: GMS (Glyceryl Monostearate) 40-NSE

CAS No.: 31566-31-1

Product Description:

GMS is the monoester of glycerin and stearic acid and is of vegetable origin.

Applications:

GMS is a food additive used as a thickening, emulsifying, anticaking, and preservative agent; an emulsifying agent for oils, waxes, and solvents; a protective coating for hygroscopic powders; a solidifier and control release agent in pharmaceuticals; and a resin lubricant.

Specifications:

Parameters (units)	Specifications
Appearance	White dove powder / Flakes
Odor	Characteristic
Monostearate %	40 Min
Acid Value mg. KOH/gm.	3 Max
Saponification Value KOH/gm	150-165
I.V. gm. I2/100 gm.	2 Max
Melting Point °C	58 ± 3
Color R/Y (5.25 Inch Lovibond color cell) R/Y	1.5 / 10 Max
Moisture %	2 Max
Free Glycerin%	5 Max

Packaging: Material is available in 25 kg paper bags.

Storage: Store in a cool, dry location, in a sealed container.

Safety: For further information refer to product SDS available from Oleo Misr.

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