

GMS-C90%

Technical Datasheet

Chemical Name	GLYCEROL MONOSTEARATE C (MONOESTER 90%)	
Grade Name	GMS-C90%	
CAS No.	31566-31-1	
EINECS No.	250-705-4	
Molecular Formula	C21H42O4	
Synonyms	<ul style="list-style-type: none"> • 1,2,3-PROPANETRIOL 1-OCTADECANOATE • 1-MONOSTEAROYL-RAC-GLYCEROL • GLYCEROL ALPHA-MONOSTEARATE 	
TEST	SPECIFICATION	METHOD
Purity by Titration	Min 90%	Titration
Iodine Value	Max 4	Titration-Iodometric
Content-Lead	Max 5 ppm	AAS
Content-Free Glycerin / Glycerol	Max 1.5%	Titration
Content-Monoglyceride	Min 90%	GC
Acid value / Free Acid content	Max 2.5%	Titration-Acidimetric
Melting Range (Organic Compounds)	60-70 Deg C	Melting Point Apparatus (Open Capillary Tube Method)

Product Information:

- GMS 90 used as lubricants in polyvinylchloride and have been observed to produce some enhanced heat stability.
- GMS 90 is used in the manufacturing of polypropylene-caps to provide a slip/lubricant effect, in addition to the antistatic effect.
- It is used as a process aid in production of expanded polyethylene to improve the gas exchange.
- GMS 90 reduces the friction during the extrusion process, giving a uniform cell size distribution.
- GMS is a food additive used as a thickening .

Product Handling & safety:

Please refer to our product MSDS for specific instructions on handling this product.

Product Registration:GMS 90 is approved for use in food contact polymer as per the following chapter headings.

Title: 21 - Food And Drugs

Chapter: I - Food And Drug Administration, Department Of Health And Human Services (Continued)

Subchapter: B - Food For Human Consumption (Continued)

Part: 184 -Direct Food Substances Affirmed As Generally Recognized As Safe

Subpart: B - Listing Of Specific Substances Affirmed As Gras

Section: 184.1324 - Glyceryl Monostearate.

Product Disclaimer

Important : This statement supersedes any Buyers documents. Seller makes no representation, Warranty, Express or Implied, Including of Merchantability of Fitness for a particular use, or purpose.

No statement herein is to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence breach of warranty, strict liability, and tort or contact rising in connection with product(s). Buyers sole remedy and Sellers sole Liability for any claims shall be buyers purchase price. Data and results are based on controlled or lab work and must be confirmed by the buyer by testing for its indented conditions of use.

This product is not been tested for, and is therefore not recommended for, use for which prolonged contact with mucous membranes, abraded skin, or blood is intended, or for use for which implantation within human body is intended.