

Technical Data Sheet

Version: 2.0
Page 1, Total 1

Date: 18 / 6 / 2026



Item Name:

GMS 99

PRODUCT INFORMATION

Chinese Name:	单硬脂酸甘油酯
Commodity Name:	GMS 99
Chemical Name:	Glycerol Monostearate
Other Name:	Glyceryl Stearate, Monostearin
CAS No.:	31566-31-1
Molecular Weight:	358.56
Molecular Formula:	$C_{21}H_{42}O_4$

PRODUCT DESCRIPTION

Made of refined hydrogenation palm oil and top-grade Glycerin.

HLB is 3.9-5.3.

As multi-purposed emulsifier, it is approved as safe food additive by FDA, without dosage limit.

TECHNICAL SPECIFICATION

Index	Standard
Appearance	Pure white powder or small cylindrical solid
Glycerin monostearate assay by wt %	99 min
Free glycerin by wt %	2.0 max
Free acid (as stearic acid) by wt %	2.5 max
Iodine value	2.0 max
Freeze point by °C	60.0-70.0
As	0.0001 max
Heavy metals(as Pb) by wt %	0.0005 max

MAIN APPLICATION

Used in beverage and food.

Used in food grease and fine chemicals of food.

Used in the processing of epe & pvc.

Used in cosmetic and medicinal latex and emulsion.

PACKING AND SHELF LIFE

Packing: 25kg/woven bag

Shelf Life: 24 months when stored in cool, dry and ventilated warehouse, away from incompatible materials.

DISCLAIMER

The information provided in this data sheets is for informational purposes only is considered reliable, but Rawchem doesn't guarantee how any other products associated with this information will behave in combination with variables to other matters. It's recommended to make adaptations to local working conditions and to the raw material to be used.