

MEDMULS GMS AS

INCI NAME:	GLYCERYL (MONO) STEARATE, PEG-100 STEARATE
CAS NUMBER:	31566-31-1, 9004-99-3

Medmuls GMS AS is an acid stable self-emulsifying blend of Glyceryl Stearate and PEG-100 Stearate.

Medmuls GMS AS performs excellent compatibility at lower pH ranges and at presence of electrolytes and ionic surfactants. It is an easy to apply and universal emulsifier or co-emulsifier for all types of pharmaceutical preparations and cosmetics, specially recommended for hair conditioners, bleaches and anti-perspirants, as well as decorative cosmetics and sun care preparations.

Medmuls GMS AS contributes to a silky feel of the emulsion and adds body and texture to the formulation. Furthermore, it enhances emulsion stability .

Medmuls GMS AS is generally applied at 2-10% concentrations in formulations. Simply added to the oil phase and heat up to 70 °C. The water phase is separately heated to 70-75 °C. The oil phase is then added to the water phase under stirring (stop heating). Stirring is continued until the temperature drops to 30 °C. At this step, the emulsion should have a fine and homogeneous texture.

SPECIFICATIONS	
Appearance (25 °C)	waxy flakes
Colour	white to slightly yellowish
Acid value (mg KOH/g)	2,0 max.
Saponification value (mg KOH/g)	90-110
Melting range (°C)	50-60
Iodine (g I ₂ /100 g)	2,0 max.