



TECHNICAL INFORMATION

GLYCEROL MONO STEARATE

PRODUCT CODE

: GMS – SE

SPECIFICATIONS :

ACID VALUE	3.00 MAX.
SAPONIFICATION VALUE	150 - 160
MELTING POINT	55 °C MIN.
FREE GLYCEROL	5 % MAX.
ALPHA MONOGLYCERIDE CONTENT	40 % MIN.
SPECIFIC GRAVITY AT 60 °C	0.92
COLOUR GARDNER	3.0 MAX.
SOAP CONTENT	4.8 – 5.2 %
PH OF 1:6 DISPERSION IN WATER	8.5 – 9.5
FORM	FLAKES / GRANULAR POWDER.

PROPERTIES / APPLICATIONS :-

GMS can be used as an internal and external lubricant for rigid PVC. Other uses of GMS are in Cosmetics; Textile Auxiliary; Pharmaceuticals etc. as an emulsifier & stabilizer; thickener; opacifier or emollient. Typical products using GMS can be skin creams; lotions ; roll-ons; shampoos & suntan lotions. In PVC, GMS has a good compatibility and no adverse effect on the transparency at levels smaller than 2.0 phr. At the same time it has a favorable effect on heat stabil.

GMS is used only in the processing of rigid PVC. It imparts good flow to rigid PVC compounds during extrusion and injection molding, resulting in products with a very smooth surface.

When used simultaneously with basic lead salts, gray discoloration may occur under influence of high light.

DOSAGE :-

THE FOLLOWING LOADINGS ARE ADVISED :-

INJECTION MOULDING : 1.0 - 1.5 PHR.

EXTRUSION : 0.5 - 1.5 PHR.

PACKING :-

25 KG NET IN PP WOVEN BAGS.

STORAGE :-

UNDER DRY CONDITIONS AND AT ROOM TEMPERATURE.