

Technical Data**EMPILAN[®] EGMS****Ethylene Glycol Monostearate**

distribuito da:

ANDREA GALLO DI LUIGI S.r.l.

azienda fondata nel 1892

Via Erzelli, 9 - 16152 Genova (Italy)

Tel. 010.650.29.41

www.andregallo.it**Description**EMPILAN[®] EGMS is an ethylene glycol monostearate.**Sales specification (parameters quoted on certificate of analysis)**

Appearance at 25°C	Flakes, similar to standard
Colour	White or pale yellow
Free fatty acid	2.0% max.
Alkalinity	0.25 ml N/10 HCl / g max.

Test methods are available from Hunstman upon request**Additional Information**

Density at 20°C	0.4 g/cm ³
Melting point	typically 56°C
Monoester content	< 35.0%
Diester content	< 70.0%
Glycol content	< 3.0%

ApplicationsEMPILAN[®] EGMS is used as pearling agent in low viscosity shampoos, cleansing creams, liquid soaps and bath gels.

The product is also used as an opacifier and oil-soluble emulsifier in such preparations as hand lotions and hand creams. The viscosity of the finished emulsion varies directly with the concentration of the ester but generally speaking 0.5% to 5.0% of the product may be used in hand lotions and 1.0% to 10.0% in hand creams.

This product is suitable for use in formulations that must comply with the European directives on Cosmetics (76/768/EC) and Detergents (648/2004/EC) and their subsequent amendments.



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Handling and storage

See also the corresponding Safety Data Sheet for further information on health and safety.

Store the product away from excessive heat and humidity and maintain in closed bags or sealed containers.

It should be maintained at least 10-15°C below the melting point and protected from direct sunlight as it is possible that compaction might occur at elevated temperatures or during prolonged storage. This will not normally affect other aspects of product quality.

The product is considered chemically stable for a minimum of 12 months. After this period it is recommended to re-check the analysis according to the specification.

Preservation

This product does not contain a preservative as it is relatively resistant to microbial contamination. When it is diluted or incorporated into a formulation we recommend the addition of a preservative approved by the appropriate legislation.

Regulatory Information

CAS Number 91031-31-1
EC Number 292- 932- 1
INCI NAME Glycol Cetearate

This product is wholly derived from raw materials of vegetable, mineral and / or synthetic origin and materials of animal origin are not intentionally employed on the units where it is manufactured or processed. Therefore we have no reason to expect the possibility of contamination by agents that might cause BSE / TSE.

Feedstocks may include material chemically derived from coconut or palm kernel oil. To the best of our knowledge, neither species is grown on a commercial scale using genetically modified strains. In addition, it is believed that genetically modified material would not survive the subsequent physical and chemical processes involved during extraction of the oil and chemical derivatisation.

EMPILAN[®] EGMS

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