

## Technical Data

# EMPILAN<sup>®</sup> MAA / SI

## Nonionic Surfactant

### Description

EMPILAN<sup>®</sup> MAA / SI is coconut monoethanolamide ethoxylate

### Sales specification (parameters quoted on certificate of analysis)

Saponification value	25 mgKOH/g max
Water content	2.0 - 3.0%
Cloud point (1g in 100 g of 1% NaCl in 10% isopropanol)	43 - 48 °C
pH (1% solution)	8.0 - 10.5

Test methods are available from Innospec upon request

### Additional Information

Appearance at 25°C	Amber liquid
Density at 20°C	1.02 g/cm <sup>3</sup>
Melting point	Typically 5 - 10°C

### Applications

EMPILAN<sup>®</sup> MAA / SI is an excellent co-surfactant for cosmetic applications, capable of enhancing the foam, in terms of boosting the volume and stabilising it against the detrimental affects of hard water and soap. It can also be used to aid the dissolution or emulsification of oils and other hydrophobic ingredients.

## Handling and storage

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

It is recommended to store the product below 40°C. Physical separation is possible, particularly after prolonged periods and at lower temperatures (< 20°C) the product will solidify. In this case it is recommended to ensure the product is homogenous before use.

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

The colour may deteriorate with age especially at elevated temperatures.

This product is considered chemically stable for at least 12 months from the date of manufacture. 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.

## Regulatory Information

This product is suitable for use in formulations that must comply with the European regulation on Cosmetics (1223/2009/EC and subsequent amendments). It is not recommended for application within the scope of the European regulation on Detergents (648/2004/EC and subsequent amendments).

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