

EMPIGEN BS / FA

EMPIGEN® BS / FA is an aqueous solution of a coco amido propyl dimethyl betaine. This grade is a high quality product which has very low levels of impurities therefore reducing the potential for irritation.

Characteristics

EMPIGEN BS / FA

Physical

Typical properties :

Appearance at 25°C	Liquid
Colour	Pale yellow
Odour	Nearly odour free
Density @ 20°C	1.05 g/cm ³

Chemical

Specification :

Active matter (MMW 358)	30.0 ± 1.0%
Free amido amine (MMW 300)	0.5% max.
Sodium chloride	6.0% max.
pH (5% solution)	4.75 ± 0.75
Sodium monochloroacetate	6 ppm max.
Colour (Hazen)	200 max.
Free Fatty Acid (MMW 216)	0.5% max.
Sodium glycollate	0.7% max.
Loss on drying	64.0% max.

Analytical methods are available on request

Applications

EMPIGEN BS / FA is an amphoteric surfactant compatible with anionic, nonionic, cationic and other amphoteric surfactants and is stable over a wide pH range, thus providing the formulator with a flexible ingredient for use in many toiletry and detergent applications. Some examples of which are:

- hair shampoos
- foam baths
- shower products
- liquid soaps

Its use can give formulation and performance benefits in terms of :

- low eye and skin irritancy
- conditioning effect on the hair and the skin
- abundant stable foam
- superior foaming and detergency in the presence of soap and hard water
- ease of viscosity adjustment

Storage & Handling

The recommended storage temperature is between 10°C and 40°C. Avoid prolonged heating above 40°C as colour deterioration may occur.

Specific information on the safe handling and storage of this product is given in the corresponding Material Safety Data Sheet.

Standard Pack Sizes

The product can be delivered in bulk road tankers of upto 23 tonnes nett, although smaller road tanker deliveries may be available upon request.

The product may also be available in 1 tonne semi bulk containers; open top plastic drums of approximately 220 kilos nett and bung type plastic drums of approximately 210 kilos nett. Smaller pack sizes may be available upon request.

Preservation

This product contains between 0.45% and 0.55% of sodium benzoate as a preservative (equivalent to 0.4 and 0.5% of benzoic acid) to protect against microbial contamination during the normal life of the product. When it is diluted or incorporated into a formulation we recommend the addition of a preservative approved by the appropriate legislation.

CAS N° : 61789-40-0

E.I.N.E.C.S. N° : 263 058 8

INCI Name : Cocamidopropyl Betaine

Our Technical Department is available to discuss and give guidance on any particular aspect concerning the use of this product.

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EMPIGEN

is a registered trade name.

The information contained in this document is to the best of Huntsman's knowledge and belief correct based on general industrial experience. Huntsman's Technical Services will be pleased to give further advice and assistance but customers must satisfy themselves (by appropriate testing if necessary) that the product is suitable for their purposes and conditions of use. Accordingly Huntsman disclaims any liability for loss, injury or damage which may result from the use of the product, the information contained in this brochure or from such advice and assistance save as may be expressly agreed under its terms of sale. Customers should satisfy themselves that their facilities and arrangements are suitable for handling or using the product and take account of the product label and any associated material safety data sheet. Customers are also reminded that there may be uses or applications for the product which are protected by Huntsman's or third parties' patent rights and nothing herein may be construed as an authority or encouragement to use or apply the product in contravention of such rights.