Isethionate Surfactant

Pureact I-78/80

Sodium Cocoyl Isethionate (and) Stearic Acid

CAS No.: 61789-32-0 and 57-11-4 EINECS No.: 263-052-5 and 200-313-4

Pureact I-78/80 is a blend of Sodium Cocoyl Isethionate (SCI) and Stearic acid which is manufactured in the molten state as a liquid - liquid solution.

Sold as easily handled flakes, Pureact I-78/80 is specifically designed for those occasions, particularly in solid formulations, where a smooth mixture of SCI and Stearic acid is required.

Of particular note is the use of Pureact I-78/80 in the preparation of syndet bars on conventional soap-making machinery.

Applications

The ratio of Sodium Cocoyl Isethionate to Stearic acid in Pureact I-78/80 is specifically designed for application to the preparation of the syndet or combo bar.
However, other types of skin and hair care formulations which benefit from the mildness and luxurious foam derived from SCI can also be built around Pureact I-78/80. Some examples are:

- Foaming facial cleanser gels
- Liquid cleansers
- Mild shampoos
- Foaming facial cleanser milks and lotions
- Conditioning bath and shower products

TYPICAL PROPERTIES

Not intended for use in preparing specifications

Appearance	White to off-white flakes or chips
Activity, %	63-68
pH, 5%	4.5-6.0
Moisture, %	0.50 maximum
Color, APHA, 5% Solution	50 maximum
Total Free Fatty Acid, Combined	35 maximum

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Performance Benefits

Unlike after market preparations of Sodium Cocoyl Isethionate and Stearic acid blends, which tend to produce granular or "gritty" finished products, the liquid - liquid blending of molten Stearic acid and molten Sodium Cocoyl Isethionate results in a smooth, gritfree flake which retains this characteristic throughout subsequent processing.

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