



The Chemical Company

Technical Information

Texapon® N 70

PRD 30528345

Valid since 23.07.2013
Revision 12.0
WF-No. 2196
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® = registered trademark of BASF

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Care Chemicals

General characterisation

Chemical description

Sodium Laureth Sulfate + 2 EO

Labeling information

INCI name(s)

Sodium Laureth Sulfate

Active ingredient information

Ingredient

Sodium Laureth Sulfate

CASR-No.

68891-38-3

This product contains certified sustainable palm kernel oil.

Certification No. RSPO: BMT-RSPO-000081.

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Care Chemicals**Product properties****Appearance**

Flowable paste, transparent to yellowish

Example of use

Owing to its outstanding detergency and cleansing quality Texapon® N 70 is used for the manufacture of liquid dishwashing and technical cleaning agents as well as liquid light-duty detergents.

Because of its good foam characteristic and the easy thickening with salt, the product is also suited as a basic surfactant for cosmetic cleansing preparations such as shampoos, shower gels and foam baths.

Texapon® N 70 is a highly concentrated sodium lauryl ether sulphate derived from natural fatty alcohols. Due to its high content of washing active substance, Texapon® N 70 is particularly suited for highly concentrated endproducts, or if raw materials with a lower water content are required.

Processing

When diluted with water, Texapon® N 70 shows gel structures which are typical of ether sulphates. After the addition of water, the viscosity first increases rather rapidly, and after a reduction of the active substance to a level below 30 %, it decreases considerably. Liquid, stable solutions are obtained up to 28 % of the active substance. At higher concentrations the product becomes pasty.

Texapon® N 70 has an extremely low salt content, and when diluted with water to the normal use concentration, it shows a very low viscosity. When sodium chloride and alkanolamides (Comperlan® types) are added, the viscosity can be adjusted accordingly.

In this way, the viscosity of diluted solutions of Texapon® N 70 with approx. 5 - 28 % washing active substance can be easily increased to the desired value.

If sodium chloride is used as a thickening agent, Texapon® N 70 can be incorporated into the formulation in the cold state if the following incorporation sequence is adhered to:

The required amount of sodium chloride has to be diluted in the smallest quantity of water that is absolutely necessary for obtaining a solution (preparation of a saturated table salt solution). This salt solution is added to the undiluted Texapon® N 70 whilst stirring, and stirring is continued until the mixture has become more fluid.

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Subsequently, the remaining water can be added without difficulty.

If incorporation cannot be effected in this way, it is recommended that Texapon® N 70 be dissolved with hot water of approx. 80 °C whilst stirring, and only then should other components be added.

As a general rule, sodium chloride should not be added in solid form, but in the form of an aqueous solution. Continuous mixing of Texapon® N 70 with water is also possible without any difficulty, if the appropriate apparatus and equipment is available.

Stabilising additives / Auxiliaries

The Product is unpreserved

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