



We create chemistry

## Technical Information

### Texapon® N 70

PRD 30528345

Valid since 16.01.2015

Revision 12.2

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**Care Chemicals**

## General characterisation

### Chemical description

Sodium Laureth Sulfate + 2 EO

### Mol weight

382 g/mol

## Labeling information

### INCI name(s)

Sodium Laureth Sulfate

## Composition hints for finished product label

### INCI Components

#### INCI Name (US/EU/CN)

Sodium Laureth Sulfate

#### Content

68 - 73 %

## Active ingredient information

### Ingredient

Sodium Laureth Sulfate

### CASR-No.

68891-38-3

### Remark

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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.

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.



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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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