

Product Data Sheet

TEXAPON® N 70

General characterisation

Chemical description

Sodium Laureth Sulfate + 2 EO

Labeling information

INCI name(s)

Sodium Laureth Sulfate

Registrations

Ingredient	CASR-No.	EINECS/ELINCS-No.
	68891-38-3	

Officially listed in / Quality conforms to

JCIC: Sodium Polyoxyethylene Laurylether Sulfate
(Ingredient Code 500467)

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.

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.

Characteristic values

The specifications stated in the paragraphs 'Quality control data' and 'Additional product descriptive data' finally and conclusively describe the properties of the Product.

Quality control data

(Data which is used for quality release and is certified for each batch.)

Appearance	conforms to standard	
Odour	conforms to standard	
Anionic surfactant (% - MW 382)	68 - 73	DIN ISO 2271 mod. / Q-C 3602.0
Unsulphated matter (%)	<= 3.5	ion exchanger / Q-C 1114.2
pH value (3 %)	7 - 9	DGF H - III 1 / Q-P 1041.0
Dioxan 1.4 (ppm)	< 14	Q-C 1052.0
Colour Hazen (20 % sol.)	< 25	DIN ISO 6271

Additional product descriptive data

(Data which is proven statistically but not determined regularly.)

Dry residue (%)	71 - 76	Q-P 1076.0
Sodium sulphate (%)	<= 1	DGF H-III 8a
Sodium chloride (%)	<= 0.1	DGF H-III 9

Methods of analysis

By the characteristic values described under section 'Quality Control Data'.

Storage and transportation

TEXAPON® N 70 must be protected against frost. In the original unopened containers the product can be stored for at least one year, protected from moisture at below +30° C. In the temperature range of approx. +10° C the flowability decreases. Depending on the temperature, the pH value may decrease during storage. However, the product quality is not negatively influenced above a pH value of 4.0. Due to the high concentration, the addition of a preservative is not necessary.

All products in the text marked with an ® are trademarks of the Cognis group.

Suggestions for processing and use of our products as well as possible formulation suggestions are provided noncommittally in accordance with our knowledge and information. They do not discharge our customers from testing the products on suitability for processes and purposes they are destined for. We are only liable for a damage caused intentionally or by gross negligence. However, we are under no circumstances liable for consequential damage. Each processor is liable for the compliance of all legal regulations, including patent legislation.

Cognis does not guarantee the suitability of a product for a user-specific purpose.