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**Etoxon 27%****TECHNICAL DATA SHEET****TL 599/2011**

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**Product characteristics****ETOXON 27%** is a water solution of sodium alkyl-poly-glycol-ester-sulphate.**Use**

**ETOXON 27%** is used as a basic raw material for preparation of detergents, washing, cleaning and degreasing agents in all industrial branches. It is also used as a basic raw material for production of cosmetics, destined for personal hygiene (hair shampoos, liquid soaps, bathing foams etc.). It is also used as a cleaning and emulsifying agent.

**Product features**

**ETOXON 27%** is colourless to yellowish liquid of an anionic character. It is stable in hard water over 30 °n.t., and in slightly acidic and alkaline environment. It features high foaming ability, foaming stability and even significant emulsifying properties and exquisite biodegradability.

**Etoxon 27%** must comply with these quality signs:

Quality sign	Value	Methodology of setting
content of an anionic surfactant (%)	27 +/- 1	ČSN ISO 2271
content of sodium sulphate (%)	max. 1,5	PN-ZM 599/2011
pH of 3% water solution	6,5 up to 7,5	PN-ZM 599/2011
Colour (mg J/100 cm <sup>3</sup> )	max. 5	PN-ZM 599/2011

**Product manufacturing**

With respect to very good emulsifying and degreasing properties **ETOXON 27%** is used in many industrial branches as raw material for the production of detergents, cleaning and washing agents with multi-purpose use.

***1. Production of detergents:***

**ETOXON 27%** is a basic compound for the formulation of universal washing, cleaning and degreasing agents. A big synergetic action with other types of detergents such as alkyl-benzene-sulfonates (ALSON NA), alkyl-sulphates or sulfosuccinates (ALTARAN POA) is used in recipes. A significant part of recipe is viscous and dermatological additives such as ALVOL AKD or FLAVOL BMK. Subsequently, the use in formulation of preparations for personal hygiene is also suitable.

Herein, other specific components such as pearling additives, scented compositions, conservation additives, vegetable extracts, pH regulators and viscous regulators are added to particular products, to detergent base specifically.

## **2. Textile industry:**

- 2.1.** Kiering on pressure-based as well as non-pressure-based procedure: 0,5 to 2 g/l
- 2.2.** Scouring of textile materials in neutral, alkaline or slightly acid environment: 1 to 3 g/l
- 2.3.** Goods scouring after dyeing or printing: 0,5 to 2 g/l
- 2.4.** Removal of stains: 100 g/l

## **3. Communal service sector:**

### **3.1. Scouring**

Thanks to **ETOXON 27%** whatever assortment of clothes may be washed (linens, personal clothing, towels, dish-cloths, working cloaks etc.). 35 up to 40 kg of **ETOXON 27%** is dosed a 1 ton of clothing. It is also suitable to add 10 up to 20 kg of soda, eventually in combination with degreaser and suitable OZP.

### **3.2. Textile cleaning**

To get rid of the partial dirtiness, **ETOXON 27%** is used either concentrated or diluted with water in proportion of 1:3 up to 1:5. Cleaned-up stains are washed in warm water afterwards.

### **3.3. Wet carpet cleaning**

For the in title mentioned purposes, **ETOXON 27%** is used in concentration of 10 up to 30 g/l. Carpet is soaked by a solution of **ETOXON 27%** and brushed mechanically. The rests of the preparation altogether with removed dirt are rinsed by water.

## **4. Leather industry**

### **4.1. Additive into fat liquoring blends**

Dosage: 0.5 to 1.5 % of ETOXON 27% per rasping scale.

### **4.2. Nap washing in production of furs**

Dosage: 0.2 up to 1 g/l

## **Packaging and storage:**

**ETOXON 27%** is delivered in PE cans of the content of 50 litres or in other containers that have been discussed in advance. The transportation in storage tanks is also possible. It is stored in closed containers at the places protected from direct climatic influences. The recommended storing temperature is +5 up to +25 °C. Keep the product protected from frost!

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### **Transport**

**ETOXON 27%** is transported in covered vehicles and is not subject to the ADR/RID regulations.

### **Warranty**

If the product is transported and stored according to the above mentioned conditions, the warranty is 6 months

from the date of stock-out.

**Note**

Data about the product characteristics and its manufacturing were acquired by laboratory measurements and application tests. This technical sheet can only give a legal advice without any obligation. The manufacturing of the product must be adjusted to the specific conditions.

