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## Alson K

### TECHNICAL DATA SHEET TL 046/2001

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#### **Product characteristics**

**ALSON K** is a Linear Alkyl-Benzene-Sulphonic Acid.

#### **Use**

**ALSON K** is basic raw material for the production of surface active agents. Salts of alkyl-benzene-sulphonic acid (sodium, triethanolamine or ammonium) are used especially for the production of powder- or liquid-based washing agents as well as for the production of cleaning and degreasing agents destined for communal and even industrial use.

#### **Product features**

**ALSON K** is brown up brownish-yellow liquid of an anionic character.

**Alson K** must comply with these quality signs:

Quality sign	Value	Methodology of setting
active substances (%)	95 minimum	PN-ZM 046/2001
sulphuric acid (%)	1,5 maximum	PN-ZM 046/2001
Non-sulphonic part (%)	2,5 maximum	PN-ZM 046/2001
Colour (25% neutralized solution, scale Fe-Co)	6 maximum	PN-ZM 046/2001

#### **Product manufacturing**

**An example of manufacturing:**

#### **Preparation of sodium salt (cca 40%) - addition to 100 kg**

Raw material	Quantity to 100 kg
Water	56,0 kg
ALSON K (96%)	39,0 kg
Sodium Hydroxide (NaOH) (100%)	5,0 kg

The batch of Sodium Hydroxide and **ALSON K** is worth checking or adjusting in conformity with tentative lab tests.

Sodium Hydroxide will dissolve in prepared water. Afterwards, **ALSON K** is slowly poured and stirred, alternatively cooled down intensively. On the other hand, reactive zones may originate in hardly soluble gel parts when these procedures are disobeyed. Moreover, these issues may impede further neutralization process. Temperature in reactor should not exceed 60 °C. The end neutralization is monitored according to

pH of reactive blend. This should be neutral.

### **Packing and storage**

**ALSON K** may be delivered in tank cars, combined IBCs of the 1000-litre volume, plastic drums of 200-litre volume, PE cans of 50-litre volume or in other containers that have been discussed in advance. It is stored in closed containers at the places protected from direct climatic influences. Recommended temperature for storing ranges from +5 to 25 °C. Short-term exposure to lower temperature, e.g during transport, does not have any negative effects on the application characteristics of the product.

### **Transport**

**ALSON K** is transported in covered vehicles in compliance with 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.

