

**CHEMOTEX Děčín a.s.**  
Tovární 63  
407 11 Děčín XXXII - Boletice n. L.  
Czech Republic

**Tel: +420-412-709 222**  
**Fax: +420-412-547 200**  
**E-mail: chemotex@chemotex.cz**  
**www.chemotex.cz**

## **Alvol BMK 30%**

### **TECHNICAL DATA SHEET** **TL 458/2007**

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#### **Product characteristics**

**ALVOL BMK 30%** is an aqueous solution of cocamidopropyl betaine.

#### **Use**

**ALVOL BMK 30%** is used as the flat agent and fabric conditioner for textile fibres and as an additive into cosmetics. It guarantees lowered dermal poignancy, high foaming ability and foam stability.

#### **Product features**

**ALVOL BMK 30%** is colourless up to slightly yellow, mid-viscous liquid of an amphoteric character. It is diluted when stirring by arbitrary amount of cold or warm water.

**Alvol BMK 30%** must comply with these quality signs:

Quality sign	Value	Methodology of setting
content of an active substance (%)	30 +/- 2	PN-ZM 458/2007
pH of 3% water solution	4 up to 7	PN-ZM 458/2007
sodium chloride (%)	5 up to 7	PN-ZM 458/2007

#### **Product manufacturing**

##### ***1. Production of chemical fibres***

- 1.1. Conditioning and flat preparation for surface treatment of synthetic fibres especially those made up from polyester for both basic type-based fibres and chemically modified fibres:  
It is applied from the aqueous solutions in concentrations amidst 0,5 up to 5 % by sprinkling or soaking.

##### ***2. Textile industry***

- 2.1. Freshening of woollen and synthetic fibres in spinning factories:  
Dosage: 0,5 up to 2 % of **ALVOL BMK 30%** and 18 up to 22 % of water from material weight
- 2.2. Unsteady antistatic treatment of all kinds of synthetic fibres in an arbitrary stage of process: for the sufficient treatment 0,5 to 2 % amount of the material weight of **ALVOL BMK 30%** suffices.

##### ***3. Production of cosmetic preparations***

**ALVOL BMK 30%** is an amphoteric surfactant with very well tolerance to skin and mucous membrane and is exquisite in products formulations destined for personal hygiene. High foaming ability, foam stability and high biodegradability are being utilized in formulations of shampoos, bathing foams, shower preparations, liquid soaps and so on.

Examples of recipe frameworks:

***Gentle shampoo for daily use:***

ALTARAN POA	12 weight units
ALVOL BMK 30%	30 weight units
ALVOL AKD	4 weight units

into 100 weight units of cosmetic additive and water.

***Bathing foam with strong anti-redeposition effect for calcium soaps***

ETOXON 26%	30 weight units
ALVOL BMK 30%	10 weight units
ALVOL AKD	2 weight units

into 100 weight units of cosmetic additive and water.

**Packing and storage**

**ALVOL BMK 30%** is delivered in 50-litre PE cans or in other containers that have been discussed in advance. It is stored in closed containers at the places protected from direct climatic influences. The recommended storing temperature is within +5 to +30 °C. Product must not be exposed to direct sunshine not even close to sources of heat. When the product is stored in temperatures lower than 0 °C it does not have any negative effect on the application characteristics of the product.

**Transport**

**ALVOL BMK 30%** 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.