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## ALTAPON AOS

### TECHNICAL DATA SHEET TL 454/2007

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#### Product characteristics

**ALTAPON AOS** is an aqueous solution of blend of sodium linear-alkensulphonates and hydroxyacansulphonates (so called alpha-olephinsulphate). It is produced by continual film sulphonation of linear alpha-olephins C14-C16, gassy SO<sub>3</sub> and consequent hydrolysis.

#### Use

**ALTAPON AOS** is used as a component into foam baths, shampoos, fine washing agents, liquid soaps and dishes detergents.

#### Product features

**ALTAPON AOS** is yellow up to yellow-brown liquid of an anion-ative character. It features large scope of very positive characteristics such as these stated below:

- good water solubility in any proportion in creation with pure solutions
- high content of active substances in low viscosity level and little corrosion
- higher surface activity as a result of lower critical micellar concentration
- perfect washing and cleaning ability
- very good emulsifying and anti-redepositing effectiveness
- higher foaming quality in hard water that is not lowered by temperature. It creates superior foam, stable in wide temperature scale
- foaming quality may be easily regulated by defoamers
- good resistibility in blends with common surfactants as well as most of other surfactant components including enzymes
- good resistibility to inorganic electrolytes and reduced sensibility to hard water comparable with alkylethersulphates
- low acute even chronic toxicity
- easy biodegradability and low eco-toxicity

**ALTAPON AOS** must comply with these quality signs:

Quality sign	Value	Methodology of setting
active matter content (%)	38 +/- 1	ČSN ISO 2271
1% pH of water solution	6,5 up to 8,0	PN-ZM 454/2007

#### Product manufacturing

**ALTAPON AOS** thanks to its features is widely used as a basic anionic compound or optimizing additive in preparations of personal hygiene and in cosmetic products. In particular, it is suitable for shampoos.

**ALTAPON AOS** can both entirely and partially substitute both sulphates, ethoxysulphates of fatty alcohols and

alkyl-benzenesulphates in most applications. Thanks to that product characteristics may be modified favourably.

### **Packing and storage**

**ALTAPON AOS** is delivered in PE cans in the volumes of 50 litres or in other containers that have been discussed in advance. The transportation in tank cars is also possible. It is stored in closed (sealed) containers at the places protected from direct climatic influences. Recommended temperature to store is ranging from +5° C to +25°C. Storing temperature must not exceed 40 °C.

### **Transport**

**ALTAPON AOS** 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.

