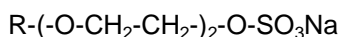


# SPOLAPON AES 242/70

Produced and delivered by ENASPOL

## ✓ MAIN FEATURES

SPOLAPON AES 242/70 is a technical grade of sodium linear alkyl ether sulphate 12÷14/2 EO (CTFA/INCI: Sodium Laureth Sulfate)



This product is a homogenous still fluid gel with in-part thixotropic behaviour. Neutral and alkaline water solutions of the product are stable, but stability in acid medium is reduced.

Property	Test method	SPOLAPON AES 242/70
<b>typical values</b>		
Ionic character		anionic
Appearance, at 20°C		viscous liquid paste
Density, at 20°C, g/cm <sup>3</sup> , approx.	ČSN 65 0342	1.10
<b>tender specifications</b>		
Colour (Klett, 5 % a.m. solution), max.	PN ENS 028-98	10
pH, 3% solution	PN ENS 028-98	7.5÷9.0
Active matter, % w/w	PN ENS 028-98 (m.w.=386)	70.0 ± 2.0
Unsulphated matter, % w/w, max.	PN ENS 028-98	3.0
1,4-dioxane, ppm, max.	PN ENS 028-98	10
Sodium sulphate content, % w/w, max.	PN ENS 028-98	0.6

## ✓ MAIN APPLICATIONS

Alkyl ether sulphates are most common used surfactant raw materials. They have low cloud point and rich foamability, offers excellent detergency, wetting and emulsification ability. AES's are easy-to thickening.

SPOLAPON AES 242/70 is basic surfactant in the formulation of personal care products & cosmetics, cleaning, dishwashing and laundry detergents. It is recommendable where high foaming ability and low skin irritating are punctuated for application. This product is practically non-toxic and excellent biodegradable.

## ✓ PROCESSING

Considering rheology and any other properties of this product, it is advisable to keep following guidelines.

- ◆ Store the product at room temperature. If you heat it, use indirect way with hot water as heat-exchanging medium. Below 20°C becomes the product difficult workable. Temperatures over 50°C may start hydrolytic decay and darkening of the product.
- ◆ Influence of acids or local overheating may start acid autocatalytic hydrolysis of the product. Check periodically pH of the stored product, and if need, adjust back to 7÷10.

- ◆ For pumping of the product a positive-displacement pump with a sufficient inner diameter of both inlet and discharge pipes is advisable.
- ◆ The product forms with water in concentration range 28÷65 % a. m. difficult stirring-up high viscous gels. Dissolve the product on such way that allows to avoid forming gels. Do not heat over 50°C.

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✓ **HANDLING**

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Product is practically non-toxic. If accidentally swallowed, vomiting should not be induced since this may cause obstruction of the trachea. Call a doctor.

Concentrated product is strong degreasing agent. Prolonged or repeated contacts with the skin may cause irritative phenomena. It is therefore advisable to limit possible contact with skin and eyes by wearing goggles or an anti-splash facial mask and neoprene gloves.

Product is strong foamer. Avoid leaking into drains, water sources and ways. Product is easy biodegradable. The diluted (1:1000 min.) rests may be liquidated biological sewage purification plant.

For any further information on product handling, please refer to the safety data sheet.

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✓ **PACKAGE & STORAGE**

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SPOLAPON AES 242/70 is usually supplied in stainless or laminated tank cars, tank waggons or containers. The product must be stored either in original containers or in stainless steel, polyethylene or fiberglass reinforced polyester tanks at temperatures between 20÷40°C.

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✓ **PRODUCER**

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This information and data presented in this sheet represent our best knowledge of the products, but are not a guarantee of the performance of their derivatives, since the conditions of use are not under direct control.

Furthermore, nothing indicated herein should be considered as a guideline to the use of the products in infringement of any patent right of manufacture or use.