

## ATBS Sodium Salt (ATBS.Na)



<b>CAS No.</b>	5165-97-9	<b>EINECS No.</b>	225-948-4
<b>Molecular Formula</b>	C <sub>7</sub> H <sub>12</sub> NaO <sub>4</sub> S	<b>Molecular Weight</b>	229.23

### Product Features

ATBS.Na is a polymerizable surfactant with highly reactive, highly hydrophilic functional monomer. It has a polymer electrolyte properties, adsorbed on the latex particles formed on the surface of the ionosphere, thus increasing the stability of latex. By using ATBS.Na, it not only can replace the carboxylic acid monomer (eg acrylic acid, methacrylic acid, etc.), but also reduce other use of surfactants to make acrylic, vinyl acetate-acrylate and styrene-acrylic emulsion system of resistance divalent cations significantly increased mechanical stability, ATBS.Na has good hydrolysis resistance and thermal stability; emulsion made from it are smooth and flexible, comfortable warmth, it has good tolerance for the scrub of coating too.

AMPS/ATBS is a unique vinyl monomer with a sulfonic acid group. It is a versatile monomer possessing thermal stability, a hydrolytic nature, hydrophilicity, polarity, and reactivity ratio, and it can be both copolymerized and homopolymerized.

### Technical Specification

Parameter	Standard
Appearance	Colorless to light yellow transparent liquid
Solid content, %	50 min
Viscosity (mpas)	20 max
Density (20℃), g/cm <sup>3</sup>	1.18-1.23
pH value	8.0-10.0




## Applications & Usage

ATBS.Na has been widely used in water treatment, mining, flocculants, oilfield chemicals, household items, medical supplies, cosmetics, detergents and cleaning agents, fabric glue and finishing agents, paper coating agent, polymer emulsions, paints and adhesives, paints, leather tanning and dyeing polymers, non-woven adhesives, super absorbent agent, thickener, leak-proof and sealing agent. ATBS.Na is also used as the third monomer of synthetic fibers.

## Package & Storage

25kg Bag	200L Drum	1000L IBC	ISO Tank
			
Storage for 10 months in shady room and dry place.			

## Hazard & Safety Precaution

Hazard Information	Safety Precaution
Not regulated	  
Once contacted with eye and skin, flush with plenty of clean water.	

## Alternative Name / Synonyms

- AMPS.Na