

# ABA ST

( strong bactericidal and antiseptic agent )

ABA ST is quaternary ammonium salt type cationic surface-active agent. Past 40 years, quaternary ammonium salt was used with the increasingly important role as broad and strong bactericidal and antiseptic agent. ABA ST is produced from the coconut oil derivative amine and carefully controlled to get high phenol coefficient.

■ CHEMICAL DESCRIPTIONS ■

Fatty Ammonium Chloride

■ SPECIFICATIONS ■

Appearance : Colorless or pale yellow liquid (at 25 °C)  
 Color (G) : APHA 50 max  
 Active content : 48 ~ 52  
 Acid value : 10 max  
 Ionic : Nonion

ABA ST is light yellowish and transparent liquid and easily soluble in water

■ TYPICAL PROPERTIES ■

1. Germicidal power

ABA ST has strong germicidal power, which is explained phenol coefficient

	20 °C	37 °C
Staphylococcus Aureus	300	406.87
Ebesthella Typhon	250	425.62
Streptococcus Haemolyticus	435	425.62
Streptococcus Pyogenes	-	241.87
Streptococcus Viridans	383.5	433.75
Escher ichia Coli	160	358.12

2. Stability

ABA ST is very stable and the germicidal power does not change during the normal conditioned storage.

3. Influence of pH

The germicidal power of ABA ST is more powerful in alkaline side than low pH range.

For this purpose of control of the pH to alkaline range, the sodium phosphate is the most suitable

4. Toxicity

According to the using concentration, ABA ST is nontoxic. Following is the limit of dosage.

## LD for rat and mormot

Rat			Mormont		
LD <sub>0</sub>	LD <sub>50</sub>	LD <sub>100</sub>	LD <sub>0</sub>	LD <sub>50</sub>	LD <sub>100</sub>
315.2	444.8	628.8	157.92	200	315.2
mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg

### 5. Skin irritation

ABA ST is not irritated for the skin. But eye irritation is appeared when eyes are contacted with the concentrated from of it

## ■ MAIN APPLICATIONS ■

### 1. Medical uses

Before surgical operation, sterilization hands, operation parts, and surgical instrument are sterilized with 0.02 solution of ABA ST.

#### A. Dermatology

Bacterially caused dermatological disease 0.02 - 0.04% ABA ST is used two or three times daily with wet dressing.

#### B. Urinology

0.4 - 0.01% solution of ABA ST may be used for washing bladder and urinary canal.

#### C. Others, Gynecology, Otorhinolaryngology, Ophthalmology field.

### 2. Public Health

ABA ST is very useful with its solution to sterilize dishes, fruits, vegetables, etc. In school, hotels, theaters, dormitories, banks, etc., ABA ST solution could be widely applied.

### 3. Food Sanitary

Dairy product, canned food, confectionery, ABA ST could be used for sterilization applying a concentration 0.02 - 0.05%. Restaurant, other cooking utensils and tools should be sterilized.

### 4. Barber shops and Beauty Parlors

The instrument and tools must be sterilizer by using ABA ST.

### 5. Home Laundry

Perspiration, urine and good nutrients for bacteria. So underwear or swatting cloth must be sterilized with ABA ST.

## ■ PACKING UNITS ■

**Net 100kg packed iron drum**