

Ammonium Lauryl Sulfate(ALS or K12-A)

INCI name: Ammonium Lauryl Sulfate

CAS No.: 2235-54-3

EINECS (EC) No.: 2218-793-9

Molecular Formula: ROSO_3NH_4 R: C_{12-14} alkyl

Characteristics:

- 1, Rich and fine foam, biodegradable ability.
- 2, Low degreasing ability, low irritation to skin and hair.
- 3, Obviously improve the combability and smoothness of hair.
- 4, Its mild decontamination performance makes smoothness to skin, and compounded with ALES, the effect will enhance.
- 5, Not applicable in alkaline system.

Application:

- 1, Especially suitable for the application in high grade shampoo, bubble bath, baby shampoo, hand washing, and other foaming washing products.
- 2, The recommended dosage is 5-30%.

Precautions

Under the circumstance of high temperature (above 40 degrees centigrade) or acidic condition ($\text{pH} \leq 5$), it will be decomposed. Which is due to hydrolysis caused by ALS. Considering this situation, the product should be stored under the circumstance of lower than 40 degrees centigrade. In its PH ranges, ALS is especially suitable for propagation of microorganism. During sampling or application, attention shall be taken to prevent microorganism contamination. Try to carry out the work under germless conditions.

Specification

Items	Specification	
	70%	25%
Appearance 25°C	White to yellowish paste	Colorless to yellowish transparent liquid
Odor	Faint characteristic odor	Faint characteristic odor
Active matter, %	70±2	25±1
Unulfated matter, %	4.0 max.	1.5 max.
Ammonium sulfate, %	2.0 max.	1.0 max.
Ammonium chloride, %	0.5 max.	0.2 max.
Fe, mg/Kg	5 max.	5 max.
pH value (25°C, 1% Am.aq.sol)	5.5-7.0	5.5-7.0
Color, Hazen (5% Am.aq.sol)	10 max.	10 max.

Ammonium Lauryl Sulfate(ALS or K12-A) 70%

Appearance, 25°C: White to yellowish paste

Odor: Faint characteristic odor

Active matter, %: 70±2

Unsulfated matter, %: 4.0 max.
 Ammonium sulfate, %: 2.0 max.
 Ammonium chloride, %: 0.5 max.
 Fe, mg/Kg: 5 max.
 Ph value (25°C, 1% Am.aq.sol): 5.5-7.0
 Color, Hazen (5% Am.aq.sol): 10 max.

Ammonium Lauryl Sulfate(ALS or K12-A) 25%

Appearance,25°C: White to yellowish paste
 Odor: Faint characteristic odor
 Active matter, %: 25±1
 Unsulfated matter, %: 1.5 max.
 Ammonium sulfate, %: 1.0 max.
 Ammonium chloride, %: 0.2 max.
 Fe, mg/Kg: 5 max.
 Ph value (25°C, 1% Am.aq.sol): 5.5-7.0
 Color, Hazen (5% Am.aq.sol): 10 max.

Packing

Item	Packing	Quantity/FCL	N.W./FCL	G.W./FCL
ALS 70%	100 Kgs/Plastic Drum	191 Drums	19.10MT	20.055MT
	1000Kgs/IBC	18 IBCs	18.00MT	19.152MT
ALS 25%	200Kgs/Plastic Drum	80 Drums	16.00MT	16.800MT
	1000Kgs/IBC	18 IBCs	18.00MT	19.152MT

ALS 70%:

- 1) 100kg/plastic drum, 19.1mt/fcl (N.W.), 20.055mt/fcl (G.W.)
- 2) 1000kg/IBC, 18mt/fcl (N.W.), 19.152mt/fcl (G.W.)

ALS 25%:

- 1) 200kg/plastic drum, 16mt/fcl (N.W.), 16.8mt/fcl (G.W.)
- 2) 1000kg/IBC, 18mt/fcl (N.W.), 19.152mt/fcl (G.W.)

Storage: Stored in dry, cool and ventilated place, kept away from sunshine and rain.

