

Ammonium Lauryl Ether Sulfate (ALES or AESA)

Other Name: Ammonium Alkyl Ether Sulfate

INCI name: Ammonium Laureth Sulfate

CAS No.: 32612-48-9

EINECS (EC) No.:

Molecular Formula: $\text{RO}(\text{CH}_2\text{CH}_2\text{O})_3\text{SO}_3\text{NH}_4$ R: C₁₂₋₁₅ alkyl

Characteristics:

- 1, Excellent decontamination, anti-hard water and high biodegradable ability.
- 2, Good foaming property even in hard water and the presence of a large number of dirt.
- 3, With rich and fine foam, it endows hair the feeling of tenderness and easiness for combing an smooth and comfortable feeling.
- 4, Not applicable in alkaline system.

Application:

- 1, Widely used in liquid detergent, high-grade shampoo, gel and weak acid shampoo and bubble bath etc.
- 2, Used in glass cleanser, wall detergent, automobile detergent and hard surface cleanser.
- 3, 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 ALES. Considering this situation, the product should be stored under the circumstance of lower than 40 degrees centigrade. In its PH ranges, ALES 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,%	3.0 max.	1.0 max.
Ammonium sulfate, %	1.5 max.	0.5 max.
Ammonium chloride, %	0.3 max.	0.1 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 Ether Sulfate (ALES or AESA) 70%

Appearance,25°C: White to yellowish paste

Odor: Faint characteristic odor

Active matter, %: 70±2
 Unsulfated matter, %: 3.0 max.
 Ammonium sulfate, %: 1.5 max.
 Ammonium chloride, %: 0.3 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 Ether Sulfate (ALES or AESA) 25%

Appearance, 25°C: White to yellowish paste
 Odor: Faint characteristic odor
 Active matter, %: 25±1
 Unsulfated matter, %: 1.0 max.
 Ammonium sulfate, %: 0.5 max.
 Ammonium chloride, %: 0.1 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
ALES 70%	100 Kgs/Plastic Drum	191 Drums	19.10MT	20.055MT
	110Kgs/Plastic Drum	191 Drums	21.01MT	21.965MT
	160Kgs/Plastic Drum	114 Drums	18.24MT	19.038MT
	170Kgs/Plastic Drum	114 Drums	19.38MT	20.178MT
	220Kgs/Plastic Drum	80 Drums	17.60MT	18.400MT
	1000Kgs/IBC	18 IBCs	18.00MT	19.152MT
	1100Kgs/IBC	18 IBCs	19.80MT	20.952MT
ALES 25%	200Kgs/Plastic Drum	80 Drums	16.00MT	16.800MT
	1000Kgs/IBC	18 IBCs	18.00MT	19.152MT

ALES 70% :

- 1) 100kg/plastic drum, 19.1mt/fcl (N.W.), 20.055mt/fcl (G.W.)
- 2) 110kg/plastic drum, 20.01mt/fcl (N.W.), 21.965mt/fcl (G.W.)
- 3) 160kg/plastic drum, 18.24mt/fcl (N.W.), 19.038mt/fcl (G.W.)
- 4) 170kg/plastic drum, 19.38mt/fcl (N.W.), 20.178mt/fcl (G.W.)
- 5) 220kg/plastic drum, 17.6mt/fcl (N.W.), 18.4mt/fcl (G.W.)
- 6) 1000kg/IBC, 18mt/fcl (N.W.), 19.152mt/fcl (G.W.)
- 7) 1100kg/IBC, 19.8mt/fcl (N.W.), 20.952mt/fcl (G.W.)

ALES 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.

