

Sodium Fatty Acid Methyl Ester Sulfonate (α -MES)

Other Name:

INCI name:

CAS No.: 93348-22-2

EINECS (EC) No.: 297-163-5

Molecular Formula: $RCH(SO_3Na)COOCH_3$

R:C₁₆₋₁₈ alkyl

Characteristics:

- 1, High effect surfactant produced by natural plant and animal oil and fat.
- 2, Excellent emulsification, wetting, softening, anti-hard water.
- 3, Good solubility, biodegradable ability.
- 4, Little irritation to skin.
- 5, High frothing ability, especially in hard water, it's frothing ability is better than LABSA and SLS.

α -MES is a surfactant of high effect made of natural plant and animal oil and fat. It is characterized by good wetting, emulsifying, softening and resistance to hard water, and good solubility, high degradation rate, little stimulation to skin, high frothing ability. Especially in hard water, it's frothing ability is better than LAS and K12. With good decontaminating ability, especially under the existence of non-phosphor agent, it is suitable for confecting low-phosphor and non-phosphor scour. It has high dispersing power of calcium soap, used as the active matter and disperser of calcium soap in soap, compound soap and soap powder. It can improve and adjust the viscosity of paste detergent and washing powder slurry. The liquid detergent confected with it has high cleaning power and good low temperature stability. It is also applicable in many industrial fields, such as emulsifier agent of plastic industry, demoulding agent of rubber product, dyeing agent, pigment, dye of printing and dyeing industry, wetting agent and dispersant of agricultural chemicals, etc.

Application:

- 1, With good decontamination ability, especially under the existence of non-phosphor agent, it is suitable for confecting low-phosphor and non-phosphor scour.
- 2, It has high dispersing power of calcium soap, used as the active matter and disperser of calcium soap in soap, compound soap and soap powder.
- 3, It can improve and adjust the viscosity of paste detergent and washing powder slurry.
- 4, The liquid detergent confected with it has high cleaning power and good low temperature stability.
- 5, It is also applicable in many industrial fields, such as emulsifier agent of plastic industry, release agent of rubber product, dyeing agent, pigment, dye of printing and dyeing industry, wetting agent and dispersant of agricultural chemicals, etc.

Specification

Item	Specification	
	80%	30%
Appearance 25°C	Yellowish to yellow solid	Yellowish to yellow liquid
Odor	Characteristic odor	Characteristic odor
Total active matter, %	80 min.	30±1
Petroleum ether-soluble substance, % *	4.0 max.	4.0 max.
Disodium salt, % *	10 max.	10 max.
pH value (25°C, 1% Am. aq.sol)	4.5-7.0	4.5-7.0
Color, Hazen (5% Am (1+1) ethanol aqueous)	200 max.	200 max.

* relative to 100% active matter

Sodium Fatty Acid Methyl Ester Sulfonate (α -MES) 80%

Appearance, 25°C: Yellowish to yellow solid

Odor: Characteristic odor

Total active matter, %: 80 min.

Petroleum ether-soluble substance, %(relative to 100% active matter): 4.0 max.

Disodium salt, %(relative to 100% active matter): 10 max.

Ph value (25°C, 1% Am.aq.sol): 4.5-7.0

Color, Hazen (5% Am (1+1) ethanol aqueous): 200 max.

Sodium Fatty Acid Methyl Ester Sulfonate (α -MES) 30%

Appearance, 25°C: Yellowish to yellow solid

Odor: Characteristic odor

Total active matter, %: 30±1

Petroleum ether-soluble substance, %(relative to 100% active matter): 4.0 max.

Disodium salt, %(relative to 100% active matter): 10 max.

Ph value (25°C, 1% Am.aq.sol): 4.5-7.0

Color, Hazen (5% Am (1+1) ethanol aqueous): 200 max.

Packing

Item	Packing	Quantity/FCL	N.W./FCL	G.W./FCL
MES 80%	25kgs/bag	460 Bags	11.50MT	11.73MT
MES 30%	200Kgs/plastic drum	80 Drums	16.00MT	16.80MT

α -MES 80%:

25kg/bag, 11.5mt/fcl (N.W.), 11.73mt/fcl (G.W.)

α -MES 30%:

200kg/plastic drum, 16mt/fcl (N.W.), 16.8mt/fcl (G.W.)

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

