

Sodium Lauryl Sulfate (SLS or K12)

Other Name: Sodium Dodecyl Sulfate

INCI name: Sodium Lauryl Sulfate

CAS No.: 151-21-3

EINECS (EC) No.: 205-788-1

Molecular Formula: ROSO_3Na R: C_{12-14} alkyl

Characteristics:

- 1, Excellent decontamination, emulsification, and foaming property. With rich and longstanding form.
- 2, Non-toxic and good biodegradable ability.
- 3, By adding other types of additive, its irritation will be ameliorated, degreasing power reduced, hand feeling enhanced.

Application:

- 1, Compounded with LABSA in a proportion of 1:3, it is used as the detergent for heavy dirty to wash carpet, dishware and hard surface.
- 2, Widely used in shampoo, bubble bath, hand washing, and the lather agent of toothpaste, cream or powder shampoo.
- 3, In the other industries fields, it can be used as emulsifier, fire retardant, auxiliary agent of textile, and plating additive, etc.

Specification

| Items | Specification | | |
|--------------------------------------|-------------------------------------|-------------------------------------|---|
| | 95% | 92% | 30% |
| Appearance 25°C | White to yellowish powder or needle | White to yellowish powder or needle | Colorless to yellowish transparent liquid |
| Odor | characteristic odor | characteristic odor | characteristic odor |
| Active matter, % | 95.0 min. | 92.0 min | 30±1 |
| Petroleum ether soluble substance, % | 1.5 max. | 1.5 max. | 1.5 max. |
| Sodium sulfate, % | 3.0 max. | 5.0 max. | 1.0 max. |
| pH value (25°C, 1% Am. aq. sol) | 7.5-9.5 | 7.5-9.5 | 7.5-9.5 |
| Color, Hazen (5% Am. aq. sol) | 10 max. | 10 max. | 10 max. |
| Water content, % | 3.0max. | 5.0 max. | / |

Sodium Lauryl Sulfate (SLS or K12) 95%

Appearance, 25°C: White to yellowish powder or needle

Odor: Characteristic odor

Active matter, %: 95.0 min.

Petroleum ether soluble substance, %: 1.5 max.

Sodium sulfate, %: 3.0 max.

Ph value (25°C, 1% Am. aq. sol): 7.5-9.5

Color, Hazen (5% Am. aq. sol): 10 max.

Water content, %: 3.0 max.

Sodium Lauryl Sulfate (SLS or K12) 92%

Appearance, 25°C: White to yellowish powder or needle

Odor: Characteristic odor

Active matter, %: 92.0 min.

Petroleum ether soluble substance, %: 1.5 max.

Sodium sulfate, %: 5.0 max.

Ph value (25°C, 1% Am.aq.sol): 7.5-9.5

Color, Hazen (5% Am.aq.sol): 10 max.

Water content, %: 5.0 max.

Sodium Lauryl Sulfate (SLS or K12) 30%

Appearance, 25°C: White to yellowish powder or needle

Odor: Characteristic odor

Active matter, %: 30 ± 1

Petroleum ether soluble substance, %: 1.5 max.

Sodium sulfate, %: 1.0 max.

Ph value (25°C, 1% Am.aq.sol): 7.5-9.5

Color, Hazen (5% Am.aq.sol): 10 max.

Water content, %: nil

Packing

| Item | Packing | Quantity/FCL | N.W./FCL | G.W./FCL |
|---------------|---------------------|--------------|----------|-----------|
| SLS 95 or 92% | 20Kgs/Bag | 525 Bags | 10.50MT | 10.763MT* |
| | 20Kgs/Bag | 400 Bags | 8.00MT | 8.200MT** |
| SLS 30% | 200Kgs/Plastic Drum | 80 Drums | 16.00MT | 16.800MT |
| | 1000Kgs/IBC | 18 IBCs | 18.00MT | 19.152MT |

*: No pallets

** : Have pallets

SLS 95% or 92%:

- 1) 20kg/bag, 10.5mt/fcl (N.W.), 10.763mt/fcl (G.W.) without pallet
- 2) 20kg/bag, 8mt/fcl (N.W.), 8.2mt/fcl (G.W.) with pallet

SLS 30%:

- 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.

