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Technical Data Sheet

Product Name: Sodium Lauryl Sulphate (SLS)

CAS Number: 151-21-3

Synonym: Sodium Dodecyl Sulphate

Molecular Formula: $C_nH_{2n+1}O_4SNa$, n:12,14

Description: SLS is a white or yellowish sticky substance. It belongs to an anionic surfactant. It is easy to dissolve in water, has good compatibility with anions and nonionic, and has good emulsification, foaming, penetration, decontamination and dispersion properties.

Specification:

Items	Powder		Needle	
	93%	95%	92%	95%
Appearance	White or light-yellow powder, without caking		White or yellowish needle-like, without lumps	
Active matter, % Min	93.0	95.0	92.0	95.0
Free oil, % Max	1.2	1.2	1.5	1.5
Inorganic salt, (Na ₂ SO ₄ +NaCl), % Max	5.0	2.8	3.5	1.5
Moisture, % Max	2.0	2.0	3.5	3.5
Whiteness (WB), Min	90	90	90	90
PH value (1% aqueous solution)	7.5-11.0	7.5-11.0	6.5-11.0	6.5-11.0

Application:

SLS is a surfactant commonly used for a wide variety of personal care applications including bath and shower gels, facial cleansers, shampoos, and toothpastes. SLS serves as a foaming agent in products such as aerosol shaving foams. SLS is also used in cleaning applications such as laundry detergents or degreasers.

Packing: (N.W) 20Kgs/25Kgs craft paper bags.

Storage: Store in dry and cool place, keep away from sunshine and rain.