

GreeIndustryCo.,LTD

Add : BuildingA2,SanqingCenturyFortuneCenter,ShunhuaRoad,High-techZone, JinanCity,ShandongProvince,China.Zipcode:250101

Technical Data Sheet (TDS)

product name	Sodium Lauryl Sulfate
Product Alias	Sodium lauryl sulfate, sodium cocoyl sulfate, K12, SDS Foaming powder, sodium lauryl sulfate, etc.
molecular formula	$C_nH_{2n+1}SO_4Na$, n=12,14,16
average molecular weight	294-310
Molecular Surface Area	74.8 A ²
CAS No.	151-21-3 73296-89-6

Main Ingredients	Content	CAS No.	INCI
Sodium alkyl sulfate with C12, C14, or C16 alkyl chains	≥92.0%	73296-89-6	SODIUM LAURYL SULFATE
Sodium Sulfate	≤5.0%	7757-82-6	SODIUM SULFATE
Non-sulfonated compound	≤1.5%	112-53-8	LAURYL ALCOHOL
Shuifen	≤4.0%	7732-18-5	WATER
sodium chloride	≤0.1%	7647-14-5	SODIUM CHLORIDE

Appearance and Characteristics	White to pale yellow powder, needle-like or granular solid	
smell	No abnormal odor	
pH value, 1.5% aqueous solution	7.5-11.0	
melting point (°C)	204-207	
boiling point (°C)	>187	
Specific gravity/stack density (g/L)	350-600	
autogenous ignition temperature (°C)	292	
Maximum explosive pressure of the dust (P _{max})	P _{max} =0.7590 MPa	
Maximum Explosive Index of Dust (K _{st})	K _{st} =33.7915 MPa.m.s ⁻¹	
Minimum ignition energy of dust clouds	(MIE): 10mJ<MIE<30mJ	
solubility	Solubility in water>250 g/L; slightly soluble in alcohol; insoluble in chloroform. Ethane.	
stability	stabilize	
Prohibited complex	Strong oxidizing agent, acid	
Conditions for avoiding contact	Exposure to heat, moisture, and acid	
Polymerization hazard	Cannot occur	
Final decomposition product	CO、CO ₂ 、SO ₂ 、SO ₃	

Risk Level	Classification Directory of Occupational Hazard Factors: Not Listed	Law of the People's Republic of China on the Prevention and Treatment of Occupational Diseases
	List of Hazardous Chemicals: Not Listed	Regulations on the Safety Management of Hazardous Chemicals
	China's current list of chemical substances: Listed. Note: The listed substance is sodium dodecyl sulfate. CAS:151-21-3	"New Environmental Management Measures for Chemical Substances"
Packaging Category	Z01	1
packing method	The kraft paper outer bag is lined with a plastic bag; the bag weighs one ton.	20Kg、 25Kg、 500Kg、 600Kg
Risk Terminology	R10、 R18、 R20/21/22、 R36/37/38	1
Safety Terminology	S3/9、 S16、 S20/21、 S22、 S24/25、 S26、 S27、 S28、 S36/37/38	1
use	Used as pharmaceutical excipients (moisturizers, emulsifiers, and dispersants) Etc.), raw materials for daily necessities, hand sanitizers, shampoos, and other personal care detergent ingredients; leveling agents for the dyeing industry; emulsifiers and dispersants for the plastics industry.	