

Sodium Lauryl Ether Sulphate

CAS Not available · CH₃ · 70% / 28% active

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1. Product identity

Product name	Sodium Lauryl Ether Sulphate
Synonyms	SLES 70, SLES chemical, sodium laureth sulfate, SLES 28
C.A.S. number	No single CAS - SLES is an ethoxylate and chain-length distribution (a mixture/UVCB), so the CAS quoted is representative. Those in commercial use are: 68891-38-3, sodium C12-14 alkyl ether sulfate, EC 500-234-8 (the identity used by EU producers); 9004-82-4, the generic sodium laureth sulfate / poly(oxyethylene) lauryl ether sulfate sodium salt; and 68585-34-2, sodium C10-16 alkyl ether sulfate. Declare the product as a mixture and mark the CAS as representative - do not publish any one of these as the definitive CAS of the product.
Molecular formula	CH ₃ (CH ₂) ₁₁ (OCH ₂ CH ₂) _n OSO ₃ Na, with n approximately 2-3 ('2 EO' or '3 EO' grades) - no single molecular formula
Molecular weight	Not available (ethoxylate distribution - there is no single molecular weight)
Grade supplied against	70% / 28% active
Appearance	70% active: colourless to pale-yellow viscous paste or gel with a faint soapy odour; producer SDS describe it as a transparent to yellow semi-solid paste. 28% active: Not available from an authoritative source - trade literature describes it as a clear to slightly hazy mobile liquid, which should be confirmed against your own COA before publishing.
Product group	Surfactants & Oleochemicals
HSN code	3402 39 00
Country of origin	As stated on the producer's documents for the lot supplied; confirmed at offer stage
Packing	230 kg drum · IBC
Storage	Store at 10-30 degC in a well ventilated place out of direct sunlight, in HDPE or lined containers only - avoid corrodible metals. Protect from frost (the paste gels and becomes unpumpable when cold) and from temperatures above about 35-40 degC (promotes hydrolysis and discolouration). Keep containers closed; recirculate or agitate before use, as the paste can separate on standing. Segregate from acids.

2. Analytical specification

S. No.	Test parameter	Specification	Method
1	Description	70% active: colourless to pale-yellow viscous paste or gel with a faint soapy odour; producer SDS describe it as a transparent to yellow semi-solid paste. 28% active: Not available from an authoritative source - trade literature describes it as a clear to slightly hazy mobile liquid, which should be confirmed against your own COA before publishing.	Visual

S. No.	Test parameter	Specification	Method
2	Identification	Conforms to the substance supplied	Instrumental or chemical test, per method agreed
3	Assay / grade	70% / 28% active	Titrimetry or instrumental, per method agreed
4	Physical state	70% active: viscous paste/gel, semi-solid at ambient temperature and pourable when warmed. 28% active: liquid.	Visual
5	Solubility in water	Completely soluble/miscible in water (dilution of the 70% paste is slow and viscosity peaks at intermediate concentrations - add paste to water with good agitation)	Per the test method agreed
6	pH	70% active: 6.5-9.5 measured on a 10% aqueous solution at 20 degC (Interchimie); 7.5 measured at 100 g/L (Thames River Chemical). The raw substance is quoted at 7.5-10 on a 1 wt% solution at 20 degC (Chemos). 28% active: Not available - take it from your own COA. Always print the dilution with the number.	Potentiometry on an aqueous suspension
7	Relative density	70% active: about 1.1 g/cm ³ at 20 degC (Interchimie); 1.03 reported by Thames River Chemical. 28% active: Not available.	Pyknometry or gas displacement
8	Melting / freezing point	70% active: pour/melting point below 5 degC (Interchimie) to 10-15 degC (Thames River Chemical). 28% active: Not available.	Thermal analysis
9	Boiling point	Above 100 degC (Interchimie); 100 degC reported by Thames River Chemical - effectively the boiling point of the water carrier. The surfactant itself decomposes rather than boiling, so there is no true boiling point.	Distillation range
10	Flash point	Not flammable. Producer SDS give 'greater than 100 degC' or 'no data available' - the product is an aqueous surfactant, not a flammable liquid.	Not applicable — the substance is not combustible
11	Additional parameters	To the specification agreed before order	As agreed

3. Transport classification

Not regulated for transport · Class Not applicable - not a dangerous good under ADR, IMDG, IATA, US DOT or Transport Canada (Interchimie, Chemos and Thames River Chemical SDS all state this) · Packing group Not applicable

Proper shipping name: Not applicable - not a dangerous good

What this document is. This is a product specification sheet. It states the grade this material is supplied against, its packing and its identity. **It is not a certificate of analysis, it carries no test results, and it certifies no batch.** Tested values for the consignment actually loaded appear on the batch certificate of analysis issued against that batch, which travels with the despatch documents. Identity and physical data are drawn from PubChem, the ECHA CLP inventory and ILO safety cards; the producer's documents for the grade quoted govern. Velora Chemicals Private Limited is a bulk supplier and trader, not a manufacturer.