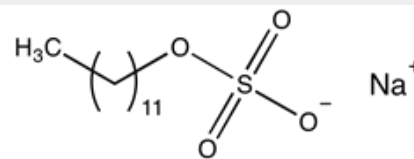


Sodium lauryl sulfate, molecular biology grade**Identification**

C₁₂H₂₅NaO₄S
M = 288,38 g/mol
CAS [151-21-3]
EC number: 205-788-1
Taric code: 2920 90 10

**Synonyms**

Dodecyl sulfate sodium salt, SDS

Applications

in biochemistry, for determination of: tensioactive substances.

Specifications

assay (complexometric).....	min. 99 %	chlorides (Cl).....	max. 0,01 %
identity (IR-spectrum).....	passes test	phosphates (as PO ₄).....	max. 0,0001 %
solubility in ethanol	passes test	copper (Cu).....	max. 5 ppm
absorbance of an aqueous solution (3 %) in a 1 cm cell at 264 nm		heavy metals (as Pb).....	max. 5 ppm
max. 0,1 AU		water (K.F.)	max. 2 %
absorbance of an aqueous solution (3 %) in a 1 cm cell at 280 nm		DNases, RNases.....	non detected
max. 0,1 AU			

Physical data

- Appearance: flakes-shaped, white
- Spec. Density: 0,63 g/cm³
- Bulk density: ~ 490 - 560 kg/m³
- Solub. in water: (20 °C): > 130 g/l
- Melting point: 205 °C
- Boiling point: 216 °C
- Flash point: 170 - 180 °C
- Ignition temperature: 310,5 °C
- Vapour pressure: 0,18 Pa (20 °C)
- pH(10 g/l H₂O, 20 °C) 6 - 9,0

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H311: Toxic in contact with skin.
- H318: Causes serious eye damage.
- H228: Flammable solid.
- H302: Harmful if swallowed.
- H332: Harmful if inhaled.
- H315: Causes skin irritation.
- H335: May cause respiratory irritation.
- H412: Harmful to aquatic life with long lasting effects.

**Precautionary Statements:**

- P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310: Immediately call a POISON CENTER or doctor / physician.
- P370+P378: In case of fire: Use ... for extinction.
- P405: Store locked up.
- P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 4.1 F1 III • UN 1325 • FLAMMABLE SOLID, ORGANIC, N.O.S.(Sodium lauryl sulfate)
- IMDG: 4.1 III • UN 1325 • FLAMMABLE SOLID, ORGANIC, N.O.S. (Sodium lauryl sulfate)
- IATA/ICAO: 4.1 III • UN 1325 • FLAMMABLE SOLID, ORGANIC, N.O.S. (Sodium lauryl sulfate)
- PAX: 446
- CAO: 449
- 10°C - 30°C