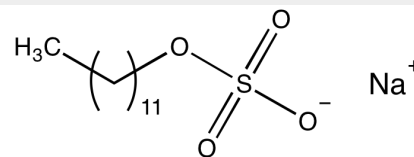


**Sodium lauryl sulfate**, for ion-pair chromatography**Identification**

C<sub>12</sub>H<sub>25</sub>NaO<sub>4</sub>S  
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**

identity (IR-spectrum).....	passes test	min. % transmission, sol. 0,005 mol/L:	
insoluble matter .....	passes test	UV at 200 nm.....	min. 70 %
pH (10 %, H <sub>2</sub> O).....	6,0 - 7,5	UV at 220 nm.....	min. 90 %
loss on drying (120 °C) .....	max. 2 %	UV at 250 nm.....	min. 98 %

**Physical data**

- Appearance: flakes, bright white
- Spec. Density: 0,63 g/cm<sup>3</sup>
- Bulk density: ~ 490 - 560 kg/m<sup>3</sup>
- 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 H<sub>2</sub>O, 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.
- P241: Use explosion-proof electrical / ventilating / lighting / equipment.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P361: Remove / Take off immediately all contaminated clothing.
- P405: Store locked up.
- P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Toxicological data**

- LD 50 (oral, rat): 1288 mg/kg
- WGK: 2
- Poison class CH (Swiss): 4

**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
- Store between 15°C and 25°C