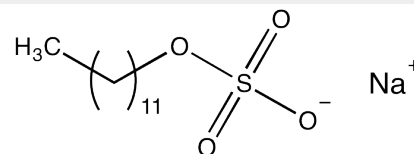


Identification

$C_{12}H_{25}NaO_4S$
 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	max. absorbance of an aqueous sol.	
insoluble matter.....	passes test	10 % in a 1,0 cm cell at	
pH (10 %, H ₂ O).....	6,0 - 7,5	wavelength:	absorbance:
loss on drying (120 °C)	max. 2 %	210 nm.....	0,1 AU
		220 nm.....	0,06 AU
		230 nm.....	0,04 AU
		260 nm.....	0,02 AU

Packaging
Packaging Code

25 g  SO04560025
 100 g  SO04560100

Physical data

- Appearance: flakes, bright 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.
- 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