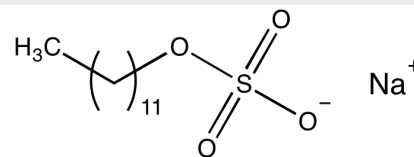


Identification

$C_{12}H_{25}NaO_4S$
 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

Specifications

Assay (as sodium alkyl sulfates).....	min. 85,0 %	Sum of sodium chloride and sodium sulfate.....	max. 3,5 %
Identification IR.....	passes test	total alcohols.....	max. 59,0 %
Identification A (EP) /		non-esterified alcohols.....	max. 4,0 %
Identification D (USP)	passes test	unsulfated alcohols.....	max. 4,0 %
Identification B (EP) /			
Identification E (USP)	passes test	Residual solvents are analysed according to guideline CPMP/ICH/283/95.	
Identification C (EP)	passes test		
Identification D (EP) /		Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.	
Identification C (USP)	passes test		
Identification A (USP)	passes test		
Identification B (USP)	passes test		
alkalinity.....	passes test		

Physical data

- 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