

**SDS #:** 313 **Revision Date:** April 7, 2016

# Dodecyl Sulfate Sodium Salt Safety Data Sheet (SDS)

#### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### **Dodecyl Sulfate Sodium Salt**

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261 Chemtrec Emergency Phone Number: (800) 424-9728

#### SECTION 2 — HAZARDS IDENTIFICATION

Hazard Class: Flammable solids (Category 2). Flammable solid (H228). Keep away from heat, sparks, open flames, and hot surfaces. No smoking (P210).

Hazard class: Acute toxicity, oral (Category 4). Harmful if swallowed (H302). Do not eat, drink or smoke when using this product (P270).

Hazard Class: Acute toxicity, dermal (Category 3). Toxic in contact with skin (H311). Do not eat, drink, or smoke when using this product (P270).

Hazard Class: Skin and serious eye damage, corrosion or irritation (Category 2, 2A). Causes skin and serious eye irritation (H315+H319).

Hazard class: Specific target organ toxicity, single exposure; Respiratory tract irritation (Category 3). May cause respiratory irritation (H335). Avoid breathing dust and fumes (P261).

#### SECTION 3 - COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Dodecyl sulfate, sodium salt	151-21-3	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>11</sub> OSO <sub>3</sub> Na	288.38	
Synonyms: Sodium lauryl sulfate; Sodium dodecyl sulfate; SDS				

#### SECTION 4 — FIRST AID MEASURES

If exposed or concerned: Get medical advice or attention (P308+P313)

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so.

Continue rinsing (P305+P351+P338). If eye irritation persists eyes: Get medical advice or attention (P337+P313).

If on skin: Rinse cautiously with water for several minutes (P351).

If swallowed: Rinse mouth. Call a POISON CENTER or physician if you feel unwell (P301+P330+P312).

#### SECTION 5 — FIRE FIGHTING MEASURES

When heated to decomposition, may emit toxic fumes. Toxic combustion products consists of carbon oxides, sulfur oxides and sodium oxides.

NFPA Code

#### Signal Word DANGER

Pictograms

In case of fire: Use a class D fire extinguisher or dry sand for extinction (P370+P378).

H: 2 F: 1

R: 2

#### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Sweep up the spill, place in a sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. See sections 8 and 13 for further information.

#### SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic #4. Store with ethers, ketones, and halogenated hydrocarbons. Ground or bond container and receiving equipment (P240). Use explosion-proof electrical and ventilating equipment (P241). Keep container tightly closed (P233). Use only in a hood or well-ventilated area (P271).

#### SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, clothing, and face protection (P280). Wash hands thoroughly after handling (P264). Use only in a hood or well-ventilated area (P271).

#### SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Fine, white powder. Odorless. Soluble: Water and alcohol.

Melting point: 204-207 °C

#### SECTION 10 - STABILITY AND REACTIVITY

Avoid contact with strong oxidizers.

Shelf life: Indefinite, if stored properly.

Hazardous decomposition products: When heated to decomposition it emits toxic fumes of sulfur oxides and sodium oxides

#### SECTION 11 - TOXICOLOGICAL INFORMATION

Acute effects: Irritant, strong sensitizer. Chronic effects: N.A. Target organs: N.A. ORL-RAT LD<sub>50</sub>: 1288 mg/kg IHL-RAT LC<sub>50</sub>: N.A. SKN-RBT LD<sub>50</sub>: N.A.

#### SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

#### SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply before proceeding. Flinn Suggested Disposal Method #26a is one option.

#### SECTION 14 — TRANSPORT INFORMATION

Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

#### SECTION 15 - REGULATORY INFORMATION

TSCA-listed, EINECS-listed (205-788-1).

#### SECTION 16 — OTHER INFORMATION

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STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).

N.A. = Not available, not all health aspects of this substance have been fully investigated.

N/A = Not applicable

## Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.

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