

Sodium Tetradecyl Sulfate

CAS #: [1191-50-0](#)

Linear Formula: $\text{CH}_3(\text{CH}_2)_{13}\text{OSO}_3\text{Na}$

MDL Number: MFCD00007468

EC No.: 214-737-2

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(2N) 99% Sodium Tetradecyl Sulfate

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Sodium Tetradecyl Sulfate Properties (Theoretical)



Compound Formula

$\text{C}_{14}\text{H}_{30}\text{O}_4\text{SNa}$

| | |
|--------------------------|---|
| Molecular Weight | 317.44 |
| Appearance | White to off-white powder or crystalline powder |
| Melting Point | 199 °C |
| Boiling Point | N/A |
| Density | N/A |
| Exact Mass | 317.17625 |
| Monoisotopic Mass | 317.17625 |

Sodium Tetradecyl Sulfate Health & Safety Information 

Signal Word

Warning

Hazard Statements

H315-H319-H335

Hazard Codes

Xi

Risk Codes

36/37/38

Safety Statements

26

RTECS Number

XB8660000

Transport Information

N/A

WGK Germany

3

MSDS / SDS

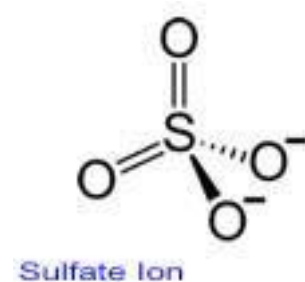
[Request MSDS / SDS](#)

About Sodium Tetradecyl Sulfate



Sodium Tetradecyl Sulfate is generally immediately available in most volumes. High purity, [submicron and nanopowder](#) forms may be considered. American Elements produces to many standard grades when applicable, including Mil Spec (military grade); ACS, Reagent and Technical Grade; Food, Agricultural and Pharmaceutical

Grade; Optical Grade, [USP](#) and [EP/BP](#) (European Pharmacopoeia/British Pharmacopoeia) and follows applicable [ASTM](#) testing standards. Typical and custom packaging is available. Additional technical, research and safety (MSDS) information is available as is a [Reference Calculator](#) for converting relevant units of measurement.



Sodium Tetradecyl Sulfate Synonyms

Sodium myristyl sulfate, Tetradecyl sulfate sodium salt, sodium tetradecyl sulphate, Myristyl sulfate sodium salt, Natrium-myristyl-sulfat, 7-Ethyl-2-methyl-4-hendecanol sulfate sodium salt, Sodium N-tetradecyl Sulfate

Chemical Identifiers

| | |
|-------------------------------|---|
| Linear Formula | CH ₃ (CH ₂) ₁₃ OSO ₃ Na |
| MDL Number | MFCD00007468 |
| EC No. | 214-737-2 |
| Beilstein Registry No. | 3578122 |
| Pubchem CID | 16211874 |
| IUPAC Name | sodium; tetradecyl hydrogen sulfate |
| SMILES | CCCCCCCCCCCCCCCCOS(=O)(=O)O.[Na] |
| Inchl Identifier | InChI=1S/C14H30O4S.Na/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-18-19(15,16)17;/h2-14H2,1H3,(H,15,16,17); |
| Inchl Key | JHWQZRARWFDALJ-UHFFFAOYSA-N |

Customers For Sodium Tetradecyl Sulfate Have Also Viewed 

| |
|--|
| Sodium Dodecyl Sulfate |
| Sodium Cholesteryl Sulfate |
| Indocyanine Green |
| NBQX Disodium Salt |
| Plasmocorinth B Disodium Salt |
| Alizarin Violet R |
| Mordant Blue 9 |
| 4-Amino-5-hydroxy-2,7-naphthalenedisulfonic Acid Monosodium Salt Hydrate |
| 4-Amino-5-hydroxy-2,7-naphthalenedisulfonic Acid Monosodium Salt |

Related Applications, Forms & Industries for Sodium Tetradecyl Sulfate

[Chemical Manufacturing](#)

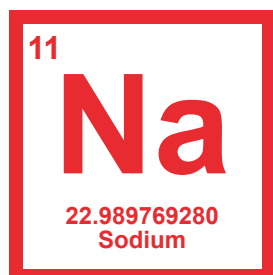
[Organometallics](#)

[Research & Laboratory](#)

[Sulfates](#)

Packaging Specifications

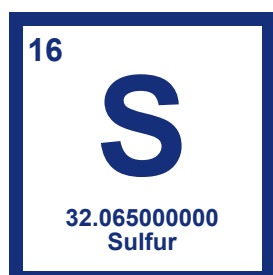
Related Elements



See more Sodium products. Sodium (atomic symbol: Na, atomic number: 11) is a Block D, Group 5, Period 4 element with an atomic weight of 22.989769. The number of electrons in each of Sodium's shells is [2, 8, 1] and its electron configuration is



[Ne] 3s¹. The sodium atom has a radius of 185.8 pm and a Van der Waals radius of 227 pm. Sodium was discovered and first isolated by Sir Humphrey Davy in 1807. In its elemental form, sodium has a silvery-white metallic appearance. It is the sixth most abundant element, making up 2.6 % of the earth's crust. Sodium does not occur in nature as a free element and must be extracted from its [compounds](#) (e.g., feldspars, sodalite, and rock salt). The name Sodium is thought to come from the Arabic word *suda*, meaning "headache" (due to sodium carbonate's headache-alleviating properties), and its elemental symbol Na comes from *natrium*, its Latin name.



See more Sulfur products. Sulfur (or Sulphur) (atomic symbol: S, atomic number: 16) is a Block P, Group 16, Period 3 element with an atomic radius of 32.066. The number of electrons in each of Sulfur's shells is 2, 8, 6 and its electron configuration is [Ne] 3s² 3p⁴. In its elemental form, sulfur has a light yellow appearance. The sulfur atom has a covalent radius of 105 pm and a Van

der Waals radius of 180 pm. In nature, sulfur can be found in hot springs, meteorites, volcanoes, and as galena, gypsum, and epsom salts. Sulfur has been known since ancient times but was not accepted as an element until 1777, when Antoine Lavoisier helped to convince the scientific community that it was an element and not a compound.



Recent Research

[Inactivation of Escherichia coli O157:H7 and Salmonella during washing of contaminated gloves in levulinic acid and sodium dodecyl sulfate solutions.](#)

[Sodium dodecyl sulfate removal during electrospray ionization using cyclodextrins as simple sample solution additive for improved mass spectrometric detection of peptides.](#)

[Dissolution studies of metamizole sodium and pseudoephedrine sulphate dosage forms - comparison and correlation of electronic tongue results with reference studies.](#)

[Protective effects of wedelolactone on dextran sodium sulfate induced murine colitis partly through inhibiting the NLRP3 inflammasome activation via AMPK signaling.](#)

[Fermented herbal formula KIOM-MA-128 protects against acute colitis induced by dextran sodium sulfate in mice.](#)

[A Case of Thermal Esophageal Injury Induced by Sodium Picosulfate with Magnesium Citrate.](#)

[Inactivation of viruses and bacteria on strawberries using a levulinic acid plus sodium dodecyl sulfate based sanitizer, taking sensorial and chemical food safety aspects into account.](#)

[Iopamidol as an oral contrast media for computed tomography: a taste comparison to iohexol, diatrizoate sodium, and barium sulfate.](#)

[Structure and dynamics of cetyltrimethylammonium chloride-sodium dodecylsulfate \(CTAC-SDS\)](#)

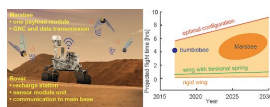
catanionic vesicles: High-value nano-vehicles from low-cost surfactants.

Astragalus polysaccharides protect against dextran sulfate sodium-induced colitis by inhibiting NF- κ B activation.

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