

## Product Datasheet

### GD0901 - Sodium dodecyl sulfate, Ph. Eur., USP grade

Precautionary Codes

P273, P280, P301+P312,  
P302+P352,  
P305+P351+P338, P310

Pictograms

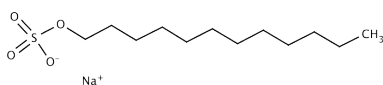


#### Product Details

Product Name	Sodium dodecyl sulfate, Ph. Eur., USP grade
Glentham Code	GD0901
CAS Number	151-21-3
EINECS	205-788-1
MDL Number	MFCD00036175
Related Categories	Biochemicals, Detergents, Raw Materials (IVD), Reagents for Gel Electrophoresis of Proteins, Reagents for Western Blotting

#### Structure

Molecular Weight	: 288.38
Molecular Formula	: C <sub>12</sub> H <sub>25</sub> NaO <sub>4</sub> S



#### Glentham Product Specification

Physical Description	: White to off-white powder, or fine granules
Identification	: According to Ph. Eur., USP
Solubility (5% in water)	: Clear to faintly turbid, colourless solution
Alkalinity	: ≤ 0.5ml
Non-Esterified Alcohols	: ≤ 4.0%
Sodium Chloride and Sodium Sulphate	: ≤ 3.5%
Total Alcohols	: ≥ 59.0%
Heavy Metals (as Pb)	: ≤ 20ppm
Water	: ≤ 5.0%
Assay	: ≥ 94.0% (C <sub>12</sub> H <sub>25</sub> NaO <sub>4</sub> S, Sodium lauryl sulfate)
Pharmacopoeia Specification(s)	: Ph. Eur., USP
Version	: v1.0

#### Storage

Recommended storage temperature: +20°C.

#### Hazards and Transport

Not classified as dangerous for transport.

CLP Classification	Acute Oral Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3
Signal Word	Danger
Hazard Codes	H302, H315, H318, H412

#### About Sodium dodecyl sulfate, Ph. Eur., USP grade

Sodium dodecyl sulfate, SDS or sodium lauryl sulfate, is an anionic surfactant. As the name suggests, it is the sodium salt form of a 12-carbon tail attached to a polar sulfate head. The polar headgroup gives the compound its amphiphilic properties, making it an effective detergent in molecular biology, cosmetics, pharmaceutical research and industrial applications. GD0901 is supplied as fine white granules.

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