

Product Datasheet

GD0901 - Sodium dodecyl sulfate,

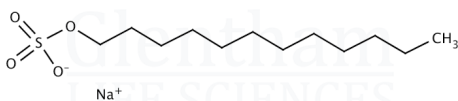
Ph. Eur., USP grade

Product Details

Product Name	Sodium dodecyl sulfate, Ph. Eur., USP grade
Glenthams 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	: $C_{12}H_{25}NaO_4S$



Hazard Codes

H315, H412, H302, H318

Precautionary Codes

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

Pictograms



Glenthams 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	: $\leq 0.5\text{ml}$
Non-Esterified Alcohols	: $\leq 4.0\%$
Sodium Chloride and Sodium Sulphate	: $\leq 3.5\%$
Total Alcohols	: $\geq 59.0\%$
Heavy Metals (as Pb)	: $\leq 20\text{ppm}$
Water	: $\leq 5.0\%$
Assay	: $\geq 94.0\%$ ($C_{12}H_{25}NaO_4S$, Sodium lauryl sulfate)
Pharmacopoeia Specification(s)	: Ph. Eur., USP
Version	: v1.0

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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Storage

Recommended storage temperature: +20°C.

Hazards and Transport

Not classified as dangerous for transport.

CLP Classification Skin Irr. 2, Aquatic Chronic 3, Acute Tox. 4, Eye Dam. 1

Signal Word Danger