

DetenLAS 320

Identification ¹

CAS number: 85536-14-7

EC number: 287-494-3

Description

DetenLAS 320 is a linear alkylbenzene sulphonic acid (LABSA) with a mixture of C10-C13 homologues and a low content of 2-phenyl isomers (21% max). For the production of its raw material, linear alkylbenzene (DetenLAB 240), the HF technology is used.

Application

DetenLAS 320 is exclusively used for the production of sodium linear alkylbenzene sulphonate (LAS) by the neutralisation process. LAS is the most important anionic surfactant used for the formulation of biodegradable detergents. It is also used in dishwashers and other household cleaners, as well as in a wide range of applications in other industries.

Typical properties

Property	Unit	Method	Value
Appearance	-	Visual	Brown Viscous Liq.
Odour	-	Organoleptic	Spicy
Klett color (5% A.M.)	%wt	CQ PM LC 802.4	<35
Active matter (alkylbenzene sulfonic acid)	%wt	CQ PM LC 802.7	96.4
Unsulphonated organic matter (Free oil)	%wt	CQ PM LC 802.5	1.7
Free sulphuric acid	%wt	CQ PM LC 802.2	1.3
Average molecular weight	g/mol	UOP 673	320
Water	%wt	CQ PM LC 305	0.6
Viscosity @ 40°C	cSt	CQ PM LC 363	400
Density @ 25°C	g/ml	CQ PM LC 807	1.05
Pour point	°C	ASTM D 5950	6.5
Total acidity	mg KOH/g	CQ PM LC 802.1	130

*All the data provided does not imply the replacement of the Moeve Specification Sheets or Safety Sheets.

¹ For the latest updates on these numbers, please consult the safety data sheet available at: chemicals.moeveglobal.com

Standard packaging

Available in trucks and isotanks.

Storage and handling

Store in accordance with local regulations.

Keep away from direct sunlight.

Recommended storage temp: 30-40°C. At lower temperatures, its viscosity can lead to pumping problems.

Tanks and pipes material: Stainless steel 316.

SO₃ gases can accumulate in storage tanks.

Storage should not exceed six months from the manufacturing date.

For more information, see Safety Data Sheet.

Health and safety

See Material Safety Data Sheet (MSDS).