

Petresul 550

Identification ¹

Número CAS: 85536-14-7

Número EC: 287-494-3

Description

Petresul 550 is a linear alkylbenzene sulphonic acid (LABSA) with a mixture of C10-C13 homologues and a low content of 2-phenyl isomers (15-21%). For the production of its raw material, linear alkylbenzene (PetreLAB 550), the Detal Flex 2 Phenyl technology is used.

Application

Petresul 550 is exclusively used for the production of sodium linear alkylbenzene sulphonate (LAS) in 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	18
Active matter (alkylbenzene sulfonic acid)	%wt	CQ PM LC 802.7	97.2
Unsulphonated organic matter (Free oil)	%wt	CQ PM LC 802.5	1.5
Free sulphuric acid	%wt	CQ PM LC 802.2	0.8
Average molecular weight	g/mol	UOP 673	320
Water	%wt	CQ PM LC 305	0.5
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	179

The sodium sulfonate obtained in the neutralization of Petresul 550 complies with biodegradability requirements laid down in the C.E detergent regulation CE n° 648/2004.

*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, refer to the Safety Data Sheet.

Health and safety

Refer to the Material Safety Data Sheet (MSDS).