

# PETRELAB<sup>®</sup> 550

C10-C13 LINEAR ALKYL BENZENE (LAB)

## IDENTIFICATION

CAS number: 67774-74-7

EC number: 267-051-0

## DESCRIPTION

PETRELAB<sup>®</sup> 550, Linear Alkylbenzene (LAB), is the result of the catalytic alkylation of benzene with linear mono-olefins obtained from n-paraffin dehydrogenation process. Commercial LAB is a blend of C10–C13 homologues with all positional isomers except 1-phenyl. Low 2 phenyl isomers content (15-21%). Detal Flex 2 Phenyl Technology.

## APPLICATION

PETRELAB<sup>®</sup> 550 (LAB) is mainly used as a raw material to produce Linear Alkylbenzene Aulfonic Acid (LABSA) via sulfonation reaction and then Linear Alkylbenzene Sulfonate (LAS) through neutralization. LAS is one of the major anionic surfactants used in the market for household detergents, such as laundry powders, laundry liquids, dishwashing products and all - purpose cleaners, as well as other minor applications in a wide range of different industries.

## TYPICAL PROPERTIES

Property	Unit	Value
Density @ 15°C	g/ml	0,86
Color Saybolt		30
Color APHA (hazen)		5
Bromine Index	mg/100g	1
Carbon chain distribution	% (wt)	
<5 phenyl C10		<1
phenyl C10		13,5
phenyl C10 + phenyl C11		46
phenyl C11		33
phenyl C12		33,5
phenyl C13 + phenyl C14		20
phenyl C13		19,5
phenyl C14		<0,5
>phenyl C14		0
2 phenyl alkanes	% (wt)	20
Molecular weight	g/mol	240
Paraffins	% (wt)	0,1
Tetralins and Indans	% (wt)	<1
Water	ppm	37
Viscosity @ 100°F	cSt	4,5
Flash point	°C	140
Sulfonability	% (wt)	98,5
Aniline point	°C	16
Refractive index @ 20°C		1,483
Acidity	mg KOH/g	<0,05
Total linear alkylbenzene	% (wt)	>90
Total branched alkylbenzene	% (wt)	<7



### STANDARD PACKAGING

Available in trucks, flexitanks, isotanks and vessels.

### STORAGE AND HANDLING

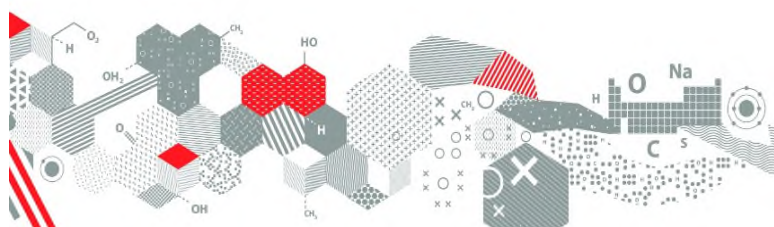
Store in accordance with local regulations.

Carbon steel is preferred for pipes and storage in contact with PETRELAB® 550.

For more information see Safety Data Sheet.

### HEALTH AND SAFETY

Do not swallow. Hazardous product that may be fatal if swallowed and enters airways. Put on appropriate personal protective equipment according to the safety data sheet. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. See more details regarding the precautionary statements on safe use, storage and disposal in the safety data sheet.



*For more info, please contact us:*

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