

DetLAB[®] 240

C10-C13 LINEAR ALKYL BENZENE (LAB)

IDENTIFICATION

CAS number: 67774-74-7

EC number: 267-051-0

DESCRIPTION

DetLAB[®] 240, 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 (15-20%). HF Technology.

APPLICATION

DetLAB[®] 240 (LAB) is mainly used as a raw material to produce linear alkylbenzene sulfonic 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	7
Carbon chain distribution	% (wt)	
<5 phenyl C10		0,7
phenyl C10		14
phenyl C11		34
phenyl C12		30
phenyl C13		30
>phenyl C14		0,8
2 phenyl alkanes	% (wt)	16
Molecular weight	g/mol	240
Paraffins	% (wt)	0,1
Tetralins and Indans	% (wt)	0,5
Water	ppm	40
Viscosity @ 100°F	cSt	4,3
Flash point	°C	140
Boiling range		
IBP	°C	285
IFP	°C	308
Sulfonability	% (wt)	>98,6
Aniline point	°C	16
Refractive index @ 20°C		1,483
Acidity	mg KOH/g	0,05
Total linear alkylbenzene	% (wt)	>92
Total branched alkylbenzene	% (wt)	<7



STANDARD PACKAGING

Available in trucks.

STORAGE AND HANDLING

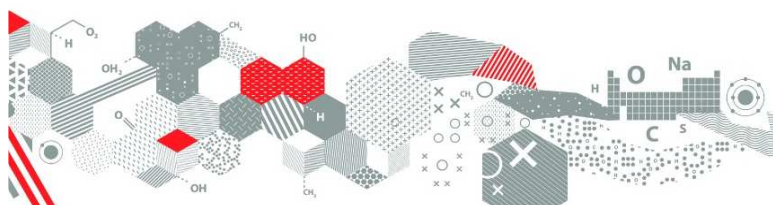
Store in accordance with local regulations.

Carbon steel is preferred for pipes and storage in contact with DetLAB® 240.

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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