



Specialized in chemicals

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## Technical Data Sheet

# LINEAR ALKYL BENZENE (LAB)

### Product Information

Chemical Name      *LINEAR ALKYL BENZENE (LAB)*  
CAS #                *129813-58-7*

### Description

LAB is a raw material of an important anionic surfactant, Alkyl Benzene Sulfonate, widely used in daily chemical washing, textile auxiliaries, industrial cleaning, printing and dyeing, electroplating, leather and paper industry etc.

LAB can also be used in lubricating oil, capacitor oil, part of the solvent etc.

### Physical Properties

Appearance                      Clear&Bright liquid  
Density (20 °C ,g/cm<sup>3</sup>)            0.855- 0.870g/ml  
Refractive Index (20 °C )        1.481- 1.485

### Specification

Appearance                      Clear&Bright  
Color                                10 Max.  
Density (20 °C ,g/cm<sup>3</sup>)            0.855- 0.870g/ml  
Refractive Index (20 °C )        1.481- 1.485  
Bromine number                 20mg Br/100g Max.  
Sulphonatability                98.5% Min.  
Average molecular weight       239- 244  
Distillation  
5%                                    280 °C    Min  
95%                                  310 °C    Max  
Carbon Distribution(wt%)  
Less than C10                    1.0% Max.  
C10                                  16% Max  
C10+C11                         30% to 55%  
C12                                  20% to 50%  
C13+C14                         5% to 30%  
C14                                  4.5% Max.

|                  |            |
|------------------|------------|
| Greater than C14 | 0.5% Max   |
| 2- Phenylisomer  | 10% to 25% |

## Safety

.Danger of explosion:Product does not present an explosion hazard

Wear protective goggles and gloves when handling material. Clean cloths must be worn. Observe all warnings and precautions listed for the product.

Always refer to the Material Safety Data Sheet (MSDS)

## Applications

LAB is a raw material of an important anionic surfactant, Alkyl Benzene Sulfonate, widely used in daily chemical washing, textile auxiliaries, industrial cleaning, printing and dyeing, electroplating, leather and paper industry etc.

LAB can also be used in lubricating oil, capacitor oil, part of the solvent etc.

## Packaging

Tanker、 Bulk chemical carrier、 Flexibag

## Storage & Handling

Handling: Removal of products need to wear protective gloves , handled with care when handling apply good manufacturing practice & industrial hygiene practices. Observe good personal hygiene,and do not eat, drink or smoke whilst handling.

Wear protective goggles and gloves when handling material. Clean cloths must be worn. Observe all warnings and precautions listed for the product.

.Storage: Store in a cool area, Keep container tightly sealed, Keep air contact to a minimum.

Combustible materials should be stored away from extreme heat and away from reactive substances.

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we has been advised of the possibility of such damages.*

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