

Doc. # **LABSA-TDS-08**Rev. # **00**Effective Date: **01.01.2023****TITLE: TECHNICAL DATA SHEET (TDS) FOR LABSA****SECTION ①: PRODUCT INFORMATION**

Name	CAS #	Chemical Formula	Molar Mass	Boiling Point	Melting Point	Hazard Pictogram
Linear Alkyl Benzene Sulfonic Acid	68584-22-5	$\text{CH}_3(\text{CH}_2)_{11}\text{C}_6\text{H}_4\text{SO}_3\text{H}$	316 – 326 g/mol	315°C	10°C	

SECTION ②: SPECIFICATIONS

Appearance	Anionic Active Total %	Color (5% Solution) Klett	Neutralization Value mg KOH/g	Free Acid (H ₂ SO ₄) %	Free Oil %	Water %
Brown Viscous Liquid	Min. 96.0	≤ 50	175 – 188	≤ 1.5	≤ 2.0	≤ 1.0

SECTION ③: APPLICATIONS

LABSA is biodegradable environment friendly and synthetic surfactant material. It is mainly used to produce household detergents including laundry powders, laundry liquids, dishwashing liquids and other household cleaners as well as in numerous industrial applications like as a coupling agent and as an emulsifier for agricultural herbicides and in emulsion polymerization. It is added to fertilizers as trace nutrient and animal feed to correct dietary deficiencies. It is used in treatment of drinking water produced through deionization and sea brine reverse osmosis process. This chemical finds application in anionic special formulations.

SECTION ④: HANDLING AND SAFETY MEASURES

LABSA is a corrosive substance. Avoid contact with the product. While handling the product, wear a protective apron, rubber or PVC gloves and a face shield. Handle the product in well ventilated areas. Neutralize with base under controlled conditions. Do not heat above 80°C. The product is a corrosive substance. Contact with the eyes may cause visual wounds, if happened flush eyes immediately with running water for a long time. Contact with the skin may cause burns, remove the contaminated clothing and wash with plenty of water. It is seriously irritating to the mucous if swallowed. The product is harmful if ingested. The product is a high foaming anionic surfactant. If gastric lavage is necessary, then use a silicone antifoam (dimethicone). If LABSA is spill surround it with earth or sand. Collect the spilled material in suitable Containers, if necessary absorb the spill onto inert materials.

SECTION ⑤: HAZARD CLASSIFICATION

According to ADR and RID LABSA is classified in Class 8 (corrosive substance) on the basis of its main hazardous properties. Its hazard number is 80. Risk Phrases: R 22 - Harmful if swallowed. R 34 - Causes burns.
All further measures to be taken related to transportation can be determined in the knowledge of its hazard classification.

SECTION ⑥: PACKING AND TRANSPORT INFORMATION

LABSA (96 %) is delivered in stainless steel, mild steel tankers which are appropriate from the aspect of corrosion protection. LABSA is also available in 215 KG HDPE drums as well as in 35 kg Carboys.