



## TECHNICAL DATA SHEET

( SULPHO MISR LABSA HF 321 )

### Product Information

<b>Product Name</b>	Linear Alkyl Benzene Sulphonic Acid ( <b>LABSA</b> )
<b>Chemical Name</b>	Benzenesulfonic acid, 4-C <sub>10-13</sub> -sec-alkyl derivatives
<b>Chemical Formula</b>	$R-C_6H_4-SO_3H$ ;(R= C10-13 )
<b>CAS number</b>	85536-14-7
<b>EC number</b>	287-494-3
<b>Shelf Life</b>	2 Years
<b>Origin</b>	Obtained via the sulphonation of HF process LAB

### Product Specifications

Test Items		Unit	Specification Limits		Target	Test Method
			LSL	USL		
<b>PHYSICAL PROPERTIES</b>	<b>Apperance</b>	Clear light brown color, viscous flowable liquid				Visual
	<b>Odour</b>	Characteristics, no malodour				Olfactory
	<b>Specific Gravity @ 20°c</b>	Value	1.03	1.06	-	ISO 12185
	<b>Colour *</b>	T %	72.00	100.00	78	ISO 2049
KLETT		0.00	70.00	55	AOCS Dd 5-92	
<b>CHEMICAL PROPERTIES</b>	<b>Acid Value</b>	mg KOH/g	175.00	185.00	181.5	ISO 2271
	<b>Active Matter (Mwt. 321)</b>	% by mass	95.00	100.00	96	ISO 2271
	<b>Free Sulphuric Acid (as H<sub>2</sub>SO<sub>4</sub>)</b>	% by mass	0.00	1.50	1.4	ISO 6844
	<b>Free Oil (NDOM)</b>	% by mass	0.00	2.50	1.9	ASTM D1568
	<b>Water Content</b>	% by mass	0.30	1.00	0.6	ISO 3733
<b>ADDITIONAL PROPERTIES **</b>	<b>2-Phenyl Isomers</b>	% by mass	15.00	20.00	-	UOP 673
	<b>Fe</b>	mg/kg	0.00	5.00	-	IP 501
	<b>Ni</b>	mg/kg	0.00	5.00	-	IP 501
	<b>Cr</b>	mg/kg	0.00	5.00	-	IP 501
	<b>Co</b>	mg/kg	0.00	5.00	-	IP 501
	<b>Di Alkyl tetraline</b>	% by mass	0.00	1.00	< 0.5	UOP 929

\* **klett** : 5% as weight per volume . 50:50 IPA: water versus blank 50:50 IPA:water at 40 m m cell , blue filter -  
**Transmission** : 20% as is weight per volume, 50:50 IPA: water versus blank 50:50 IPA:water at 425nm, 1cm cell.  
 \*\* Values determined on LAB feedstock.

➤ **DESCRIPTION :**

**SULPHO MISR LABSA 321** is an anionic surfactant. It is water-soluble, It has excellent foaming power and detergency property. It is also considered one of the strongest active anionic surfactants used in laundry powders and liquids; Compatible with other anionic surfactants, as well as with nonionic and with amphoteric surfactants.

➤ **APPLICATION :**

**Anionic surfactant with excellent foaming and detergency properties:**

Largely used in powder, liquid and gel detergents, as well as in other cleaning products like foaming carpet cleaners, Dish cleaning liquid, carpet shampoos, Detergent Cake ,among others, fire fighting foams or upholstery care formulations. as well as other minor applications in a wide range of different industries.

➤ **STANDARD PACKAGING :**

**SULPHO MISR LABSA 321** is available in 220 kg HM HDPE drums. Total of 80 drums i.e.17.6 MT can be shipped palletized in 20 ft. full container load

It can be supplied in IBC of 1050 kg capacity (20 IBC) i.e.21 MT can be shipped in 20 ft. full container load

It can also be supplied in Flexi bags and ISO tanks (24MT).

➤ **HANDLING AND STORAGE:**

**HANDLING :**

- 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.

**STORAGE :**

- Store in accordance with local regulations away from direct sunlight.
- Store in a clean and dry place not heated above 50°C , as this increases the risk of charring and color deterioration. To ensure the product meets shelf life and Recommended storage temp: 30-40C.
- At lower temperatures, its viscosity can lead to pumping problems.
- Compatible materials: stainless steel, mild steel, plastic materials. Incompatible with galvanized steel, aluminum, copper alloys.

➤ **HAZARD STATEMENT :**

- The product is classified as hazardous for health and the environment. Put on appropriate personal protective ,Use wear gloves, eye and face protection for safe use of the product.
- H302: Harmful if swallowed.
- H313: May be harmful in contact with skin. H314: Causes severe skin burns and eye damage.
- H401: Toxic to aquatic life.
- H412: Harmful to aquatic life with long-lasting effects.



➤ Data regarding safety, transport classes, toxicology, and biodegradability of the product can be obtained from the corresponding material safety data sheet.

➤ **The company has a certificate ISO 9001:2015 & certificate ISO 14001:2015**



➤ For more details, please contact with Quality management by e-mail :  
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