



TECHNICAL DATA SHEET

(SULPHO MISR LABSA DETAL 320)

Product Information

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

Product Specifications

	Test Items	Unit	Specification Limits		Target	Test Method
			LSL	USL		
PHYSICAL PROPERTIES	Apperance	Clear light brown color, viscous flowable liquid				Visual
	Odour	Characteristics, no malodour				Olfactory
	Specific Gravity @ 20°C	Value	1.03	1.06	-	ISO 12185
	Colour *	T %	83.00	100.00	91	ISO 2049
KLETT		0.00	40.00	20	AOCS Dd 5-92	

CHEMICAL PROPERTIES	Acid Value	mg KOH/g	175.00	185.00	181.5	ISO 2271
	Active Matter (Mwt. 320)	% by mass	96.00	100.00	96.80	ISO 2271
	Free Sulphuric Acid (as H₂SO₄)	% by mass	0.00	1.50	1.2	ISO 6844
	Free Oil (NDOM)	% by mass	0.00	2.00	1.3	ASTM D1568
	Water Content	% by mass	0.30	1.00	0.5	ISO 3733

ADDITIONAL PROPERTIES **	2-Phenyl Isomers	% by mass	25.00	33.00	-	UOP 673
	Fe	mg/kg	0.00	5.00	-	IP 501
	Ni	mg/kg	0.00	5.00	-	IP 501
	Cr	mg/kg	0.00	5.00	-	IP 501
	Co	mg/kg	0.00	5.00	-	IP 501
	Di Alkyl tetraline	% 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 320 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 320 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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