



TECHNICAL DATA SHEET (TDS)

Sulfonic Acid Paste

Non DG Alternative to LABSA

Product Description

Sulfonic Acid Paste is a ready to-use anionic surfactant paste produced through the neutralization of Linear Alkyl Benzene Sulfonic Acid (LABSA). The product is designed for detergent and cleaning formulations requiring excellent detergency, foaming performance, wetting properties, and emulsification characteristics.

Unlike conventional LABSA, which requires a neutralization process before use, Neutralized LABSA Paste is supplied in a pre-neutralized form, allowing direct incorporation into production processes. This simplifies formulation, reduces processing requirements, and improves operational efficiency.

The product is generally classified as **Non Dangerous Goods (Non-DG)**, providing advantages in transportation, storage, and export logistics compared to conventional LABSA.

Typical Properties

Property	Specification
Appearance	Homogeneous Paste
Color	Light Brown to Amber
pH (3% Solution)	7.0 – 10.0
Typical pH (3% Solution)	9.74
Anionic Active Matter (%)	48.0 – 51.0
Typical Active Matter (%)	48.9
Ionic Character	Anionic
Solubility	Completely Soluble in Water
Transportation Classification	Non-DG
Shelf Life	24 Months



Applications

- Liquid Laundry Detergents
- Dishwashing Liquids
- Multi-Purpose Cleaners
- Hard Surface Cleaners
- Industrial Cleaning Chemicals
- Household Cleaning Products
- Institutional & Industrial (I&I) Cleaners
- Car Wash Formulations
- Degreasers

General Detergent Formulations

Product Benefits

- Ready Neutralized Product
- Direct Use in Formulations
- No Additional Neutralization Required
- Excellent Cleaning Performance
- Strong Foaming Characteristics
- Effective Emulsification Properties
- Good Compatibility with Other Surfactants
- Simplified Manufacturing Process
- Reduced Production Costs
- Easier Storage and Handling
- Non-DG Transportation Advantage

Handling & Storage

Store in tightly closed original containers in a cool, dry, and well-ventilated area.

Recommended storage temperature is between **5°C and 40°C**.

Protect the product from direct sunlight, frost, excessive heat, and moisture.

Containers should remain sealed when not in use.

Packaging

The product is available in:

- 220 kg HDPE Drums
- 1,000 kg IBC Tanks



Customized packaging options are available upon request.

Transportation Information

Neutralized LABSA Paste is generally transported as a **Non-Dangerous Goods (Non-DG)** product, subject to local and international transportation regulations.

Shelf Life

24 months from the production date when stored in original unopened packaging under recommended storage conditions.