

Technical Data Sheet

SUPETRO LC 1515

Synthetic Calcium Sulfonate



SUPETRO

| Superior Petrochemical Solutions |

Description:

SUPETRO LC 1515 is an overbased synthetic calcium sulfonate manufactured using long-chain alkylbenzene sulfonic acid as the main raw material, combined with calcium salts through neutralization and carbonation reactions. This product offers outstanding oil solubility, stability, and a highly effective acid-neutralizing capability. Furthermore, SUPETRO LC 1515 enhances lubricant performance by providing excellent detergency, dispersancy, and anti-rust properties.

Technical Specification:

Parameter	Test method	Typical value
Appearance	Visual	Brown viscous liquid
Kinematic Viscosity at 100°C, cSt	ASTM D445	40-200
Density at 20°C, kg/m ³	ASTM D4052	1100-1240
TBN, mg KOH/g	ASTM D2896	395-430
Flash Point, °C	ASTM D92	170 Min.
Calcium Content, wt.%	ASTM D4951	14.5-16.0
Sulfur Content, wt.%	ASTM D1552	1.2-1.6
Water Content, wt.%	ASTM D95	0.2 Max.

The stated values are typical and should not be regarded as delivery specifications.

Storage, Handling, and Transportation:

- *Storage and Handling:* For optimal shelf life, store the product at ambient temperature, ideally below 45°C, with a long-term storage temperature limit of 50°C. During handling, loading, and unloading, temperatures should not exceed 60°C to 65°C. When stored properly—upright on pallets with containers sealed and, if outdoors, covered by waterproof lids—this product has a 24-month shelf life.
- *Safety and Environmental Considerations:* If skin contact occurs, immediately wash the affected area thoroughly with soap and water.

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