



SIDDHI TRADE ENTERPRISE

BARIUM PETROLEUM SULPHONATE

HIGH MOLECULAR WEIGHT NEUTRAL BARIUM SULFONATE

TECHNICAL DATA SHEET

INTRODUCTION

NBS is a high molecular weight, oil soluble, neutral barium sulfonate.

FORMULATIONS

It is recommended for formulations where high level of non staining- rust protection is desired.

Can be used for formulating greases, hydraulic fluids, slushing oils, and other industrial products.

COMPONENT

- Napthanic oil..... 0.5-25%
- Paraffinic oil..... 0.5-25%
- Solvents- (Kerosene, Toluene, MTO, Etc) 0.5-25%

APPLICATIONS

- Corrosion inhibitor in mill oils,
- rust preventatives, coatings and greases
- Dispersant and corrosion inhibitor in engine oil
- Demulsibility
- Wetting agent
- Non-staining

TYPICAL PROPERTIES

- Specific Gravity@15.6° C, ASTM D-1298 1.0

- Barium Sulfonate, Wt%, ASTM D-3712 50%
- Average Molecular Weight, ASTM D3712 1120
- Total Base Number, mg KOH/g, ASTM D-2896 3.5

CERTIFICATE OF ANALYSIS

BARIUM PETROLEUM SULPHONATE

Test	Method	Min	Max	Results
Appearance	Visual		Bright & Clear	Bright & Clear
Color	ASTM D 1500	3	5	
Sp. Gravity @ 15.6°C	ASTM-D-1298	1.01	1.10	
Flash Point °C (COC)	ASTM-D-92	180		
Viscosity @ 100° C,cST	ASTM D 445	50	100	
Avg. Molecular wt.	ASTM-D-3712	1050	1150 +	
TBN (mg KOH/gm)	ASTM D-974	2.0	5.0	
Water content % (w/w)	ASTM-D-95		0.5	
Mineral oil % wt.	ASTM-D-3712	45.0	50.0	
Barium Sulphonate content % (w/w)	ASTM-D-3712	50.0	55.0	
Barium content % (w/w)	GL-EDTA-1A	6.5	6.7	

On behalf of [Siddhi Trade Enterprise](#), we are pleased to have the opportunity to work with you and we look forward to establishing a solid, mutually beneficial business relationship.

Please feel free to contact us for further details. Assuring you our best services.

SIDDHI TRADE ENTERPRISE

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