



## GANESH BENZOPLAST LTD.

### BARIUM PETROLEUM SULPHONATE (GL 8142)

#### HIGH MOLECULAR WEIGHT NEUTRAL BARIUM SULFONATE

#### TECHNICAL DATA SHEET

#### INTRODUCTION

GL 8142 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



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#### **SPECIFICATION SHEET**

<b>Test</b>	<b>Method</b>	<b>Min</b>	<b>Max</b>
Appearance	Visual		Bright
Clarity	Visual	Clear	Clear
Colour	ASTM D 1500	3	5
Sp. Gravity @ 15.6°C	ASTM-D-1298	1.01	1.14
Flash Point °C (COC)	ASTM-D-92	190	205
Viscosity @ 100° C, cSt	ASTM D 445	85	110
Avg. Molecular wt.	ASTM-D-3712	980	1050 +
Ph 3% [v/v] in D.M. Water	ASTM D 664	7.0	7.5
TBN (mg KOH/gm)	ASTM D-974	2.0	3.0
Water content % [w/w]	ASTM-D-95		0.2
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
Sediment % [w/w]	GL-CF-3A	Nil	Nil
Solubility of CS in Mineral oil	Internal	Complete	Complete