

SURCHEM® 404

Neutral Barium Sulfonate

SURCHEM® 404 is a high molecular weight, oil soluble, first intent, neutral barium sulfonate. It is designed to provide excellent demulsibility, along with detergency and optimum rust protection in formulating industrial lubricants. With its non-staining characteristics, this product is ideally suited for formulations that call for a high level of rust protection. SURCHEM® 404 is compatible with most mineral base oils, white oils, and synthetic base stocks.

APPLICATIONS

Industrial lubricating oils, greases, hydraulic fluids, slushing oils, and other engineered protective products. Industrial engine oils.

TYPICAL TREAT

Nominal dosages would range from 0.1 to 5.0 wt. % of the finished lubricant.

TYPICAL DATA

PROPERTIES	TEST METHOD	TYPICAL VALUES
Barium, wt. %	ASTM D4951	6.6
Barium Sulfonate, wt. %	ASTM D3712	49.0
Total Base Number, mg KOH/g	ASTM D2896	4.0
Equivalent Weight, wt. %	ASTM D3712	500
Water, wt. %	ASTM D95	0.2
Viscosity @ 100°C, cSt	ASTM D445	110
Flash Point, COC °C	ASTM D92	220
Specific Gravity 15°C	ASTM D4052	1,000
Color (dilute), rating	ASTM D1500	6.0



HANDLING INFORMATION

SURCHEM® 404 is a viscous neutral barium sulfonate and is normally handled at elevated temperatures. For general purposes, the following storage and handling temperatures are recommended:

STORAGE HANDLING

60-80°C (140-176°F) 80-90°C (176-194°F)

SAFETY INFORMATION

For more extensive information on the safe handling and use of this product, please see the Safety Data Sheet.

SHIPPING INFORMATION

Petroleum Oil, N.O.I.B.N.

Tank cars, tank trucks and non-returnable 55-gallon steel drums.



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