

# Hybase®GFX500

## Overbased Calcium Sulfonate

**Hybase® GFX500** is a 500 TBN oil soluble overbased calcium sulfonate. Hybase® GFX500 is designed to produce a high quality H-1 incidental food contact overbased calcium sulfonate grease. It is made with an approved white oil. The 500 TBN allows for increased flexibility in base oil composition and viscosity in the final grease formulation. If properly formulated and processed, the grease will have a high dropping point, excellent water resistance, extreme pressure performance, antiwear performance, and excellent shear stability. Hybase® GFX500 is compatible with most Group I – IV base stocks.

### APPLICATIONS

Grease feedstock for the manufacture of H-1 calcium sulfonate thickened grease.

### TYPICAL TREAT

Nominal dosages would range from 20 to 70 wt.% of the finished lubricant depending on the thickening process and final NLGI grade.

### TYPICAL DATA

PROPERTIES	TEST METHOD	TYPICAL VALUES
Calcium, wt. %	ASTM D4951	18.5
Calcium Sulfonate, wt. %	ASTM D3712	24.5
Total Base Number, mg KOH/g	ASTM D2896	495
Water, wt. %	ASTM D95	0.3
Viscosity @ 100°C, cSt	ASTM D445	200
Flash Point (PMCC), °C	ASTM D93	220
Specific Gravity @ 15°C	ASTM D4052	1.250
Colour (dilute), rating	ASTM D1500	1.5
Sediment, vol. %	ASTM D2273	0.03



## HANDLING INFORMATION

**Hybase® GFX500** is a liquid overbased calcium sulfonate and is normally handled at elevated temperatures for improved pumpability. For general purposes, the following storage and handling temperatures are recommended.

### DRUM STORAGE

15-40°C (60-104°F)

### BULK STORAGE

60-80°C (140-176°F)

### BULK HANDLING

80-90°C (176-194°F)

## SAFETY INFORMATION

For more extensive information on the safe handling and use of this product, 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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