



# PRODUCT DATA SHEET

## GulfSea HYPERBAR SUPER CS

*Calcium Sulfonate Complex Semi-synthetic EP Grease for Heavy Duty Applications*

### Product Description

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**GulfSea HYPERBAR SUPER CS** grease is heavy duty calcium sulfonate complex soap based grease for use in a wide range of marine, industrial and automotive applications. It is manufactured from high quality semi-synthetic base oils and performance additives to provide good structural stability, resistance to water washout and effective protection from wear and corrosion. It is specially designed to deliver outstanding performance in severe application areas like marine, mines, offshore and heavy duty off-highway equipment.

### Features & Benefits

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- Superior extreme pressure properties extend bearing life under shock-load conditions.
- Outstanding mechanical stability and resistance to softening ensures long lubricant life and prevents leak out of bearings even in the presence of water.
- Excellent corrosion protection and resistance to water washout resulting in improved component protection and equipment life.
- Good adhesive property ensures that the grease stays in place for longer relubrication intervals.
- Very good low temperature fluidity / pumpability even in cold weather making it ideal for use in centralised lubrication systems in marine, industrial and automotive applications.
- High drop point ensures extended operating range of up to 150°C.

### Applications

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- Heavy duty equipments used in marine, off-shore, cement, mining / quarrying, agriculture & forestry/ logging, off highway and other industrial as well as automotive applications.
- Slide rails, metal cables, wire ropes, winches, open gears, chains, etc under severe conditions.
- General lubrication of axles, ball joints, universal joints, couplings, power take-offs, kingpins, bushings and disc brakes.
- To exhibit its best performance in wire rope application, using pressurized wire rope lubricators is preferred to ensure grease reaches to the core of the wire rope.



Marine

# PRODUCT DATA SHEET

## Typical Properties

Meets the following Specifications		
DIN 51825 KP0/1N-25; DIN 51826 KP		
Typical Properties		
Test Parameters	Test Method	Typical Values
Colour	Visual	Light Brown
Texture	Visual	Smooth / Buttery
NLGI		0 /1
Type of base oil		Semi-synthetic
Estimated operating temperature range		-25°C to 150°C
Base oil viscosity at 40°C; cSt	D 445	1700
Consistency, worked penetration 60 strokes	D 217	345
Worked penetration after 100,000 strokes; change in consistency	D 217	+4
Dropping point; °C	D 2265	264
Oil separation at 25°C for 24 hrs; %wt.	D 1742	0.7
Oxidation resistance, pressure drop; psi	D 942	2.0
Water washout at 79°C; %wt. loss	D 1264	2.8
Four ball weld load; kgf	D 2596	500
Four ball wear scar diameter; mm	D 2266	0.5
Leakage tendency at 160°C & 20 hrs; gm	D 1263	3.8
Copper strip corrosion at 100°C for 24 hrs; rating	D 4048	1a
Rust Protection	D 1743	Pass

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