



## **Ester Base Oil (Boric Acid) for Brake Fluid GHB295, GHB300, GHB310**

### **Description**

Goncord ester-based GHB series for brake fluid features a polyalkylene ether borate ester formulation. With exceptionally high dry and wet boiling points, and low kinematic viscosity at low-temperature. This solution ensures optimal boiling point retention and water resistance, minimizing the effects of water absorption in brake oil.

This brake fluid is able to maintain excellent flow at frigid temperatures (-40°C) with a kinematic viscosity between 800mm<sup>2</sup>/s and 1400mm<sup>2</sup>/s, when formulated with a compatible base oil. Additionally, it can achieve a wet boiling point surpassing 180°C, ensuring reliable performance under challenging circumstances.

### **Applications**

When formulated with appropriate polyethers and additives, Goncord GHB series can meet the following international standards.

- GB: National Standard of China  
GB 12981-2012HZY3, GB 12981-2012HZY4, GB 12981-2012 HZY5, GB 12981-2012 HZY6.
- FMVSS: Federal Motor Vehicle Safety Standards  
FMVSS No.116 DOT3, FMVSS No.116 DOT 4, FMVSS No.116 DOT5.1 (non-silicone)
- SAE: Society of Automotive Engineers (USA)  
SAE J1703, SAE J1704
- ISO: International Organization for Standardization  
ISO 4925 Class 3, ISO 4925 Class 4, ISO 4925 Class 5-1, ISO 4925 Class 6
- JIS: Japanese Industrial Standards  
JIS K2233 Class 3, JIS K2233 Class 4, JIS K2233 Class 5, JIS K2233 Class 6

## Typical Properties

Item	GHB295	GHB300	GHB310
Appearance	Clear & Colorless	Clear & Colorless	Clear & Colorless
Dry Boiling point, °C	295	300	310
Wet Boiling point, °C	215	205	219
K. Visc @-40°C, mm <sup>2</sup> /s	950	1426	1659
Density @20°C, kg/m <sup>3</sup>	1.0410	1.0410	1.0410
PH Determination	4.43	4.63	4.54
Rubber swell @120°C 70hr, %	3.0	3.0	3.0
Low Temp. Fluidity @-50°C x 6hrs	pass	pass	pass