

# HBF 4



## SYNTHETIC FLUID FOR BRAKE SYSTEMS

### APPLICATIONS

- TOTAL HBF 4 is recommended for brake and clutch systems of all vehicles using synthetic fluids when a DOT 4 level is required.
- TOTAL HBF 4 is miscible with all other synthetic fluids of similar quality.
- TOTAL HBF 4 is not miscible with mineral based fluids (LHM) and silicon based fluids.
- **The color of the product can vary from colorless to amber.**

### PERFORMANCES

- SAE J 1704
- FMVSS 116 DOT 4
- ISO 4925 Class4

### CUSTOMER BENEFITS

- Synthetic fluid.
- Very high dry and wet boiling points adjusted to ever increasing temperatures encountered in braking systems : prevents from "vapour lock".
- Resistant to moisture absorption.
- Viscosity suitable at cold as well as high temperatures.  
Provides corrosion protection for metals used in braking systems : cast iron, aluminium, steel, copper, brass etc.
- Compatible with rubber seals and hoses.

### CHARACTERISTICS

HBF 4	Units	SAE Grade
Volumetric mass at 20°C	kg/dm <sup>3</sup>	1.05 / 1.07
Viscosity at - 40°C (max) (Spec KV-40<1800mm <sup>2</sup> /S)	mm <sup>2</sup> /s	1200
Viscosity at 100°C (min)	mm <sup>2</sup> /s	1,5
Dry boiling point ERBP (min)	°C	230
Wet boiling point WERBP (min)	°C	155

The typical characteristics mentioned represent mean values.