



FRELUB 650



Frelub 650 is a high performance synthetic brake fluid. It has been specially formulated for hydraulic brake systems in order to ensure safe braking in the most severe conditions.

APPLICATIONS

DISC BRAKES
ALL BRAKE CIRCUITS
MISCIBILITY

- Particularly suitable for brake circuits operating in very severe conditions.
- Exactly right for all brake circuits for which the manufacturer requires a synthetic fluid meeting the standards indicated below.
- **IMPORTANT:** This synthetic fluid can be mixed with all other synthetic fluids whose chemistry is of the type DOT 3, DOT 4 or DOT 5.1, except for the DOT 5 silicone fluids and the special fluids of type LHM.

PERFORMANCES

INTERNATIONAL SPECIFICATIONS

- Exceeds the latest requirements of the following international standards:
SAE J 1704
FMVSS 116 (DOT 4)
- Frelub 650 is approved by Renault

CUSTOMER BENEFITS

FLOW PROPERTIES AND PERFORMANCE WHEN COLD
DIFFICULT TO COMPRESS
NO CORROSION
HIGH RESISTANCE

- This brake fluid has good flow properties at low temperature and excellent performance when cold. The viscosity is appropriate for normal and high temperatures.
- This fluid has a high boiling point, even after an extended period at high temperature. In the presence of moisture, the fall in the boiling point remains low. This guarantees the incompressibility of the product and the safety of the user (no « vapour lock »).
- Low hygroscopy/limited water take-up. Compatible with natural and synthetic rubber parts used in the circuits.
- The fluid is not corrosive to the metals in the circuit (tested on tinned metal, steel, aluminium, cast iron, brass and copper).
- Low evaporation rate. High resistance to the formation of deposits and sludge.

CHARACTERISTICS

FRELUB 650	Units	SAE Grade
Density at 20°	kg/dm ³	1,07
Kinematic viscosity at -40 °C	mm ² /s	1300
Kinematic viscosity at 100 °C	mm ² /s	2,3
Boiling point	°C	280
Boiling point after water take-up	°C	166
pH		8.2

The typical characteristics mentioned represent mean values

TOTAL LUBRIFIANTS
16, rue de la République
92800 PUTEAUX
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FRELUB 650
VERSION MAY 2006
MGP/05/06



This lubricant used in accordance with our recommendations and for the application for which it is intended does not represent a special hazard. A safety data file conforming to the requirements of current E.U. legislation is available from your local trade consultant.