

## **PRODUCT DESCRIPTION**

Petrocar Spring+ DOT 4 is a synthetic brake fluid for modern brake systems.

Petrocar Spring+ DOT 4 shows the following features:

- High boiling point / low vapour pressure.
- Satisfactory viscosity over a wide temperature range.
- Appropriate fluidity at low temperatures.
- Good stability and properties retention.
- Adequate compatibility with rubber.
- Satisfactory lubrication performances.
- Good compatibility with the various metals in the brake system.
- Miscibility with other approved fluids of the same type.

The water tolerance is very important for the above product as a small amount of water is unavoidably picked up in service, while the presence of water lowers the boiling point and increases the possibility of unsatisfactory brake performance due to vapour locking.

Petrocar Spring+ DOT 4 continues to operate satisfactorily even with limited water contamination: its boiling point does not fall below 155 °C in wet conditions.

## **APPLICATIONS**

Petrocar Spring+ DOT 4 is suitable for use in passenger cars, motorcycles and commercial vehicles, particularly in disc, drum and anti-skid braking systems requiring DOT 3 or DOT 4 level performance.

Petrocar Spring+ DOT 4 has a density higher than water. It is hygroscopic and therefore it must be preserved in closed containers.

## **PERFORMANCE LEVELS AND APPROVALS**

SAE J 1703 / J 1704  
FMVSS 116, DOT 4  
CUNA NC 956 DOT 4  
ISO 4925 Class 3 / 4  
FIAT 9.55597  
NH 800 A  
OPEL/GM 19 42 421  
IVECO 18-1820  
JIS K2233 Class 4

## **TYPICAL CHARACTERISTICS**

<b>Petrocar Spring+ DOT 4</b>	<b>Testing Procedure</b>	<b>Typical Values</b>
Appearance	Visual	Clear & Bright
Density @ 20°C, Kg/m <sup>3</sup>	ASTM D 1298	1065
Viscosity @ -40°C, cSt	ASTM D 445	1052
Viscosity @ 100°C, cSt	ASTM D 445	2,37
Equilibrium Reflux Boiling Point, °C	ASTM D 1120	246
Wet Equilibrium Reflux Boiling Point, °C	ASTM D 1120	160
pH	ASTM D 5128	8,0