



DRUM BRAKE AND ACTUATION SYSTEMS

UNBEATABLE SAFETY

**PRODUCT DATA SHEET
TRW UNIVERSAL BRAKE FLUID**



TRW Universal Brake Fluid

▪ At the forefront of brake system development, TRW can now offer its customers a world innovation - a universal brake fluid suitable for any DOT-type system, the DOT 5.1 ESP brake fluid.



Description

- TRW's Universal Brake Fluid DOT 5.1 ESP is a truly unique, universal fluid.
- This fluid has a wet boiling point (WBP) in excess of 180° C, while keeping the viscosity at -40° C (below the maximum specification of 750 centiStokes (cSt), required for ESP systems to operate effectively.
- All other ESP fluids on the market are DOT4 because the highest minimum WBP they achieve is 170° C; which means they can't be used for vehicles with a higher DOT requirement.
- TRW's new DOT 5.1 ESP fluid can be used for any vehicle using DOT specification fluid, meaning that drivers can be confident that systems relying on an ESP fluid will work correctly.

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Description ctd.

- TRW DOT 5.1 ESP can be safely mixed with fluids conforming to DOT 3, DOT 4, DOT 4 ESP and DOT 5.1.
- **It is not to be mixed** with mineral fluids like LHM nor Silicone based DOT 5 brake fluids.



Quality Level

- ISO 4925 Class 6 and FMVSS 116 DOT 5.1.
- The product also meets many other standards including DOT 3, DOT 4, SAE J1703, J1704, JIS K2233 (all classes) and ISO 4925 Classes 3 and 4.

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Typical Characteristics

Characteristics	Units of Measurement	Value
Density at 15°C	Kg/l	0.830
Viscosity at 40°C	mm ² /s	<720
Dry boiling point	°C	272
Wet boiling point	°C	184
Color		Clear / Amber



Directions for use

- Follow vehicle manufacturer's recommendations
- Keep DOT 5.1 ESP brake fluid clean
- Store only in original bottle
- Keep bottle tightly closed and clean
- Do not refill bottle and do not use for other fluids

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Handling

- Store under cover and avoid extremes of temperature
- Do not store in areas where temperatures above 60° C, in direct sunlight or subject to frost.



Shelf Life

- 5 years after date of manufacture (can be found on the bottle).

Packaging Unit

TRW PN	Volume per Unit	Units per Carton	Units per Palette
PFB750	500 ml	20	560
PFB701	1 l	10	330
PFB705	5 l	4	64
PFB720DR	20 l	1	24

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