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# Shell Brake and Clutch Fluid DOT 4

## Premium performance high boiling point DOT 4 brake fluid

Shell Brake & Clutch Fluid DOT 4 is a very high boiling point fluid suitable for brake systems and hydraulic clutch systems requiring FMVSS No 166 DOT 4 (ISO 4925 Class 4) fluid.

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### Applications

Shell Brake & Clutch Fluid DOT 4 is a premium performance borate ester or polyglycol ether type brake fluid which is suitable for all applications requiring a DOT 4 performance level brake fluid. This product may be substituted when a DOT 3 Fluid is required.

It is suitable for the following applications:

- Passenger cars
- Commercial road transport vehicles
- Motorcycles
- Hydraulic brake systems
- Hydraulic clutch systems,

where FMVSS No 116 DOT 4 or DOT 3 fluids are mandatory.

- **Seal Compatibility**

Elastomer seals are frequently used in braking systems to avoid fluid losses through gasket seals in the braking systems. Shell Brake & Clutch Fluid DOT 4 contains ingredients which sufficiently boost seal swell, and therefore prevent fluid losses by effective prevention.

### Performance Features and Benefits

- **High Boiling Point**

Shell Brake & Clutch Fluid DOT 4 exceeds the normal requirements for Wet and Dry Equilibrium Reflux Boiling points (Wet ERBP and Dry ERBP). This helps prevent vapour lock under harsh braking conditions by dramatically reducing the likelihood of the brake fluid boiling.

- **Corrosion Prevention**

Shell Brake & Clutch Fluids are formulated to prevent corrosion of internal components under normal conditions of use and service.

- **Compatibility**

This product is fully compatible with other similarly formulated DOT 3 and DOT 4 brake fluids.

- **Optimal Lubricity**

Shell Brake & Clutch Fluid DOT 4 consists of premium components which avoid abrasion of the brake system by friction.





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## Specifications and Approvals

Shell Brake & Clutch Fluid DOT 4 is suitable for use in applications where the following specifications are required:-

FMVSS No116	DOT 3, DOT 4
DIN ISO	4925 Class 4
JIS	K 2233 Class 4
AS/NZ	1960 Class 2
SAE	J 1703, 1704

## Health & Safety

Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from your Recochem representative.

## Protect the Environment

Take used brake fluid products to an authorised collection point. Do not discharge into drains, soil or water.

## Shelf Life

This product is to be stored undercover, in dry conditions at ambient temperature below 30°C, and away from direct sunlight and possible moisture ingress.

When stored under such conditions, with the cap and packaging remained sealed, then the shelf life of the product is 2 years. Once opened and unsealed, the product should be fully consumed as soon as possible.





### Typical Physical and Chemical Characteristics

<b>Brake &amp; Clutch Fluid DOT 4</b>	<b>Method</b>	<b>Units</b>	<b>Performance</b>
Kinematic Viscosity @ -40°C	FMVSS No 166 (5.13)	mm <sup>2</sup> /s	1350
Kinematic Viscosity @ 100°C	FMVSS No 166 (5.13)	mm <sup>2</sup> /s	>1.5
Boiling Point Original (Dry) Equilibrium Boiling Point	FMVSS No 166 (5.11)	Deg C	260
Boiling Point Wet Equilibrium Boiling Point	FMVSS No 166 (5.12)	Deg C	170

These characteristics are typical of current production. Whilst future production will conform to Recochem's specification, variations in these characteristics may occur.

