

# Brake & Clutch Fluid



## DOT 3

### High boiling point DOT 3 brake fluid

#### Description

Viva Energy Brake & Clutch Fluid DOT 3 is a high boiling point fluid suitable for brake systems and hydraulic clutch systems requiring FMVSS No 166 DOT 3 (ISO 4925 Class 3) fluid.

#### Performance Features

- **High Boiling Point** - Viva Energy Brake & Clutch Fluid DOT 3 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 Protection** - Viva Energy Brake 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 brake fluids.
- **Optimal Lubricity** – Viva Energy Brake & Clutch Fluid DOT 3 consists of premium components which avoid abrasion of the brake system by friction.
- **Seal Compatibility** - Elastomer seals are frequently used in braking systems to avoid fluid losses through gasket seals in the braking systems. Viva Energy Brake & Clutch Fluid DOT 3 contains ingredients which sufficiently boost seal swell, and therefore prevent fluid losses by effective prevention.

#### Applications

Viva Energy Brake & Clutch Fluid DOT 3 is a premium performance polyglycol ether type brake fluid which is suitable for all applications requiring a DOT 3 performance level brake fluid.

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 3 fluids are mandatory.

#### Health, Safety and Environment

Guidance on health and safety is available on the appropriate Material Safety Data Sheet which can be obtained from the Viva Energy Technical Help Desk.

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

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#### Shelf Life

When stored undercover, away from moisture and direct sunlight, this product should be suitable for use for up to one year after the date of manufacture.

#### Specifications / Approvals / Recommendations

Viva Energy Brake & Clutch Fluid DOT 3 is suitable for use in applications where the following specifications are required:-

- FMVSS No116 DOT 3
- DIN ISO 4925 Class 3
- JIS K 2233 Class 3
- AS/NZ 1960 Class 1
- SAE J 1703.

**For further information regarding equipment approvals and recommendations contact the Viva Energy Technical Help Desk.**

#### Typical Physical Characteristics

| Properties  | Methods                                 | Brake & Clutch Fluid DOT 3 |
|---|---|----------------------------|
| Kinematic Viscosity @ -40°C                             | FMVSS No 166 (5.13), mm <sup>2</sup> /s | 1400                       |
| 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              | 245                        |
| Boiling Point, Wet Equilibrium Boiling Point            | FMVSS No 166 (5.12), deg C              | 155                        |

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

#### Technical Help Desk

|       |                                |
|-------|--------------------------------|
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