

# Product data

## SRF Racing Brake Fluid

### Product Description

Castrol SRF Racing Brake Fluid is a high performance brake fluid of special value in competitive motor sport where extreme braking conditions are encountered. It has been especially formulated to maximise braking performance under arduous competitive conditions. In order to achieve the optimum benefits in such applications, patented silicon ester materials have been employed in a unique Castrol formulation. As result of its unique properties and to maintain excellent vapour lock and corrosion protection we **strongly recommend** that Castrol SRF be drained and refilled every eighteen months.

### Product Application

Castrol SRF is suitable for all disc and drum brake systems used in motor sport with the exception of those for which a mineral oil is prescribed. It complies with the requirements of the following specification:

- ◆ US FMVSS 116 DOT 3 and DOT 4
- ◆ SAE J1703
- ◆ ISO 4925
- ◆ Australian Standard 1960 Grade 3

### Product Features & Benefits

1. **Race Proven:** Widely used in racing, from Formula One World sports cars, to group A and 500cc Grand Prix motorcycles.
2. **High Boiling Point:** The exceptionally high dry boiling point (higher than 300°C) makes Castrol SRF ideal for use under arduous braking conditions such as rallying or racing. Castrol SRF exceeds the boiling point requirements of DOT 5 brake fluids.
3. **High Vapour Lock Point:** Castrol SRF has a very high vapour lock point (the more important measure of high temperature performance under actual braking conditions) and has the additional advantage of sustaining high vapour lock point characteristics during its service life.

4. **Compressibility:** The compressibility of Castrol SRF is very similar to that of current DOT 3 and DOT 4 fluids. It can therefore be filled into any braking system used in motor sport with the exception of those for which a mineral oil is prescribed.
5. **Miscibility:** Castrol SRF is miscible with all conventional fluids meeting the US Federal Standards FMVSS 116 DOT 3 and DOT 4, ISO 4925 and current SAE J1703. The miscibility of Castrol SRF with conventional brake fluids means changing the brake system to Castrol SRF is easy. Drain and flush out the conventional brake fluid with Castrol SRF then top up the system with Castrol SRF. Although Castrol SRF is miscible with conventional brake fluids, topping up Castrol SRF with conventional brake fluids will reduce the benefits of the product.
6. **Compatibility:** Castrol SRF is compatible with seal rubber and metal materials used in brake systems using conventional polyglycol brake fluids.
7. **Bleeding:** Castrol SRF is easy to bleed like conventional brake fluids.

### Typical Characteristics

Density @ 15°C	Dry Boiling Point °C	Wet Boiling Point °C	Viscosity @ 100°C (cSt)	Viscosity @ -40°C (cSt)
1.06	310	270	3.5	130

### Health, Safety & Environment

To maintain the brake system at peak efficiency, it is essential that the following precautions be observed.

- ◆ Only brake fluid should be used for flushing brake lines and then discarded. Petrol, mineral oils or solvents will deteriorate rubber cups and plungers. Methylated spirits contamination will depress the vapour lock temperature of the brake fluid.

- ◆ Hydraulic brake fluids will damage paintwork. If spilt on paintwork, hose off immediately - do not wipe paintwork.
- ◆ Draining and refilling of the system with **Castrol SRF Racing Brake Fluid** will **NOT** compensate for an adequate adjustment or inferior components. For maximum motoring safety, an inspection by a qualified brake specialist at least once every year is strongly recommended.

### Warning

The following points should be observed when handling brake fluids:

- ◆ Keep out of reach of children.
- ◆ Harmful if swallowed. If this occurs, seek medical advice or contact the Poisons Information Centre.
- ◆ If splashed in the eyes, flood effected area with copious quantities of water for about 10 minutes. Seek medical advice immediately.
- ◆ Avoid contact with skin. Effected areas should be washed with mild soap and water.
- ◆ Dirt, grease and other foreign particles will effect the efficient operation of the brake system.
- ◆ To reduce the possibility of moisture absorption, brake fluids should be drawn directly from sealed containers, and these containers resealed immediately after use. Empty containers should be discarded and not re-used. Fluid held in partially empty containers that are dispensed through and resealed by a cap closure should be discarded after 12 months. A brake fluid of lower performance should not be mixed with Castrol SRF. If this occurs, the system should be drained and refilled with Castrol SRF as soon as possible, to provide the full protection of this advanced fluid.

Although all reasonable care has been taken to ensure that the information contained in this publication is accurate as at the time of printing, such information is nevertheless liable to variation in the event of changes occurring subsequent to the date of printing it: the blend formulation, methods of storage, or due to the improper handling or application of any of the products referred to, or in the requirements of any specification or approval relating to any of the products.

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