AISIN

BRAKE & CLUTCH FLUID

ブレーキ & クラッチフルード

- Efficient pressure transmission
- Higher boiling point for enhanced safety
- Compatibility across numerous types of braking systems
- Reliable cold weather performance
- Synthetic formulation for performance and longevity



Preserving Performance, Protecting Parts

AISIN brake & clutch fluid provides superior performance in critical safety aspects, including boiling point and viscosity performance. Additionally, it offers enhanced anti-corrosion and rubber performance.



AISIN ASIA is a member of AISIN GROUP. Based in Singapore, with the extensive branches network, AISIN ASIA aims to provide best quality service to the customers in the Asia-Oceania, the Middle East and Africa region.

AISIN ASIA Pte. Ltd.

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High Boiling Point

Good Liquidity under Low Temperature

Efficient Pressure Transmission

Cold Weather Performance

Compatibility Across Numerous Types of Braking Systems

AISIN DOT 4 Brake & Clutch Fluid

Meets and exceeds the following specifications:

- FMVSS116 DOT 3
- FMVSS116 DOT 4
- SAE J1703
- JISK 2233

AISIN DOT 4 Brake & Clutch Fluid is a high purity, high performance and a premium-quality liquid formulated to have the following characteristics:

1. **Incompressible.**
   To ensure efficient transmission of pressure from your 'foot' to the wheel brakes and providing a good and responsive pedal "feel".

2. **High boiling point.**
   To meet the specifications listed above, a DOT 4 brake & clutch fluid should have a min dry boiling point of 230°C. The AISIN DOT 4 product has a significantly higher dry boiling point for added safety (typical result 252.2°C - 261°C). This elevated boiling point helps prevent vapor formation under the extreme temperatures generated during braking, reducing the risk of 'vapor lock.' Vapor lock occurs when brake fluid boils, producing compressible vapor rather than efficiently transmitting force to the brakes.

**A layman explanation: If a fluid boils, it produces bubbles of vapour and vapour is compressible. So instead of your foot compressing the brake callipers, it is compressing the vapour. Result? No brakes. This is known as 'vapour lock'.*

3. **Compatible with all components of the braking systems**, including plastic, rubber, metal, and composite materials. All AISIN brake & clutch fluid undergoes comprehensive testing on these components to ensure full compatibility.

4. It remains **fluid even in extremely cold conditions**, flowing freely and smoothly in temperatures as low as -40°C.

5. AISIN brake & clutch fluid is synthetic and made up of Polyglycols, Polyglycol Ethers, Polyglycol Ether Esters, and various additives. These are for corrosion inhibition, pH modulation, lubricity, and rubber-swell modification.