

RF-650
Racing Super Brake Fluid

ENDLESS

Advanced Racing Brake Technology

AN EXCELLENT PARTNERSHIP:

**RF-650 BRAKE FLUID
AND
MERCEDES-AMG PETRONAS
FORMULA ONE TEAM**

A GREAT WORLD RECORD





RF-650

Racing Super Brake Fluid

DRY BOILING POINT
328°C/622°F

WET BOILING POINT
218°C/424°F



Long lasting and reliable
High heat resistant
Non-silicone based
Safe for your seals
Available in 0.5l bottles

RF-650 LEADS YOU TO MAKE A DIFFERENCE THAT ECHOES THROUGH TIME

At ENDLESS, we often hear our customers talk about "braking past" their competitors. They've got the speed, but just as importantly, they have the confidence that their brakes can handle the pressure, braking later, harder, and with greater precision through each corner. To drive at the level we aim for, you must be able to brake aggressively and trust your braking system completely.

Shaving off even a hundredth of a second in every turn can make all the difference in the final result. RF-650 Racing Super Brake Fluid is designed for any vehicle, and it's built to deliver outstanding performance at the highest levels of motorsport, as may be Formula One™. With its exceptionally high boiling point and a stabilized viscosity over the heat range, RF-650 allows you to push your car to the limit without worrying about brake fluid boil or loss of pedal pressure. In addition, the braking response is sharp and precise, offering consistent pedal feel lap after lap. ENDLESS RF-650 Racing Super Brake Fluid is also gentle on metal alloys and rubber seals, and it's engineered for long-lasting performance.

A Formula One™ car is an incredibly complex machine, where every component plays a crucial role due to the extreme demands of the sport. Much of the media attention has often focused on the engine—its reliability, its power. However, alongside the power unit, there is a network of systems that make up this intricate machine, all of which must perform at the same high level.

The braking system in these aerodynamic feats of engineering plays a role just as vital as that of the engine, providing the driver with control and making it possible to take each corner in the shortest time, pushing every straight to the limit. Braking point, intensity, and modulation are all key aspects of braking performance—where the brake fluid acts as a crucial transmitter, starting the moment the driver presses the brake pedal. Unlike in a road car, F1 drivers require a permanent stiff pedal feeling during the race. RF-650 is a guarantee against soft pedal feeling, something that never has happened while Mercedes-AMG PETRONAS Formula One Team have ENDLESS' brake fluid in their brake systems. This stiff pedal feeling "is very important because F1 regulations dictate that a driver must generate all of the braking force. The weight of their leg effectively acts as the servo-assistance mechanism you would see in a road car, and this allows the driver to control their braking, and lose as little time as possible through the corner. RF650 of course, plays a role in making all of this happen."

"In F1, every single millisecond counts, and every component of the car and every action a driver takes can make the difference. Endless' RF650 product is one that can comfortably deal with the extreme requirements of F1's intense braking

systems. Simply put, it's the best brake fluid around to suit our car," said a Mercedes-AMG PETRONAS Formula One Team engineer member.

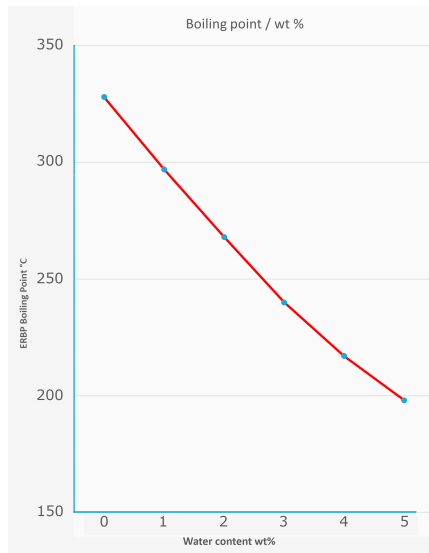
ENDLESS RF-650 Racing Super Brake Fluid has been used in numerous World Championship battles, where it has proven exceptional in both performance and reliability. Its silicone-free composition helps preserve the integrity of the brake system's seals. Since 2003, ENDLESS has been a brake fluid supplier in Formula One, meeting the sport's demanding standards from the very beginning.

In these moments when temperatures can reach extreme peaks, brake failure is simply not an option. Since Mercedes-AMG PETRONAS Formula One Team entered Formula One™ in 2010, ENDLESS RF-650 Racing Super Brake Fluid has been onboard every car, in every test, and at every competitive moment. "The fluid needs to be able to operate in the calipers without being affected by temperatures that are well above 200°C, and we have never had any issues with RF650 in this regard. In order to be strong and consistent under braking, it is vital the fluid doesn't have any components that could be susceptible to deterioration at these temperatures."

"Using RF650 leaves us safe in the knowledge that brake system performance is operating within its optimum window. When under Safety Car or formation lap conditions, we know RF650 will allow us to use high levels of braking energy to bring the disc temperatures up in preparation for going racing again. This gives us the best possible chance of maximizing performance within the car and being immediately competitive from the

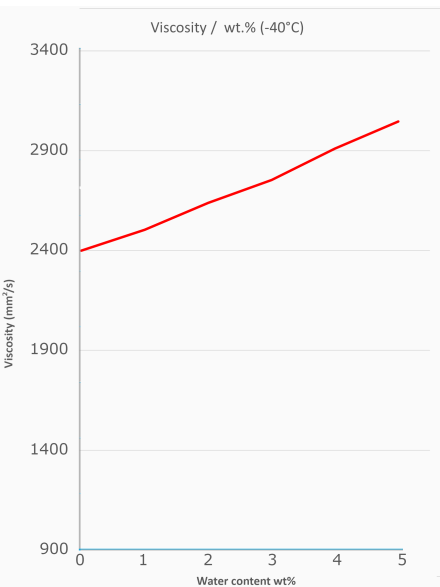
moment the green flag drops. It's factors like this that can change the outcome of a race for the better."

"The team have seen the difference the RF650 can make to our race performance on several occasions in recent years, particularly at circuits where air and track temperatures are always very high. Seeing George bring the car home in P2 with an electrical fault in searing temperatures in Bahrain in 2025 demonstrated the strength of the RF650 product. Having that stability in such an intense temperature environment is what makes it so crucial to our car's performance."



At ENDLESS Brake Technology Europe AB, one of our greatest strengths is our commitment to working closely with our customers and providing personalized support. We offer a wide range of product options and maintain constant collaboration with the R&D department at ENDLESS Advance Co. Ltd. in Japan to continuously develop and deliver top-tier products and results. This approach allows us to identify the best solutions for each car and driver, and to tailor our offerings specifically to your needs.

This dedication is one of the key reasons we've held the status of Official Team Supplier to Mercedes-AMG PETRONAS Formula One Team for many years. Their success is built on strong teamwork, a unified spirit, and a shared goal of winning



races and championships. Every individual plays a vital role in achieving the outstanding results they've reached so far.

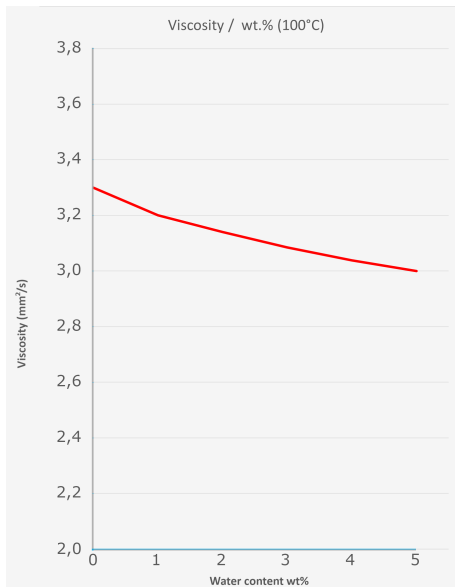
As an Official Supplier, it's equally important for us at ENDLESS to stay closely connected with the team—providing support whenever needed and continuously advancing our products to keep pace with the rapid development of the car.

"[One] key aspect of a successful F1 team is communication, and the team at Endless have always provided first-class feedback to



help the partnership continue to push for the best possible outcome. Testing is equally as important as racing, and it is comforting to know we have that support and assistance where needed whenever we put our car on a racetrack."

Mercedes-AMG PETRONAS Formula One Team has set a new benchmark for success, winning consecutive 8 Constructors' World Championships (from 2014 to 2021) and 7 Drivers' World Championships (from 2014 to 2020). After 15 World Championship titles, ENDLESS RF-650 Racing Super Brake Fluid has proven to be an important piece within this vast and sophisticated puzzle. The experience of the past encourages us to keep fighting for the future, in order to achieve new and wonderful accomplishments.



ABOUT MERCEDES-AMG PETRONAS FORMULA ONE TEAM

CHAMPIONSHIP TITLES

15

RACE WINS

121

PODIUMS

287

POLE POSITIONS

134

FASTEST LAPS

103

ONE-TWO FINISHES

55

FROM **318** RACE STARTS

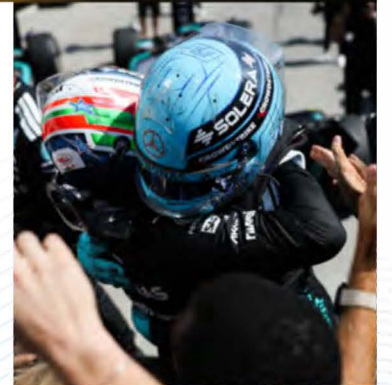
ENDLESS

Advanced Racing Brake Technology

Official Team Supplier



**AMG
PETRONAS
FORMULA ONE TEAM**



ENDLESS

Advanced Racing Brake Technology

Head Office Sales & Technical Centre Europe

Endless Brake Technology Europe AB
Högalid, Orresta
725 96 VÄSTERÅS
Sweden

email; info@endless-brake.info
web; www.endless-brake.info
Phone; +46 171 44 34 88

(c) 2025 Endless Brake Technology Europe AB