Der Schutz-Garant.

GLYSANTIN®

ELECTRIFIED®

Invented and patented in 1929, **GLYSANTIN®** proudly represents the world's first patented engine coolant. The brand and its products have continuously evolved to meet and exceed the developing needs of powertrain and technology trends while at the same time contributing to a sustainable future. Today, the **GLYSANTIN® ELECTRIFIED®** product family provides market-leading solutions with tangible sustainability contributions to current and future mobility concepts.

ELECTROMOBILITY

Mobility solutions are continually evolving and vehicle fleets around the globe are changing. The amount of available powertrain technologies has expanded significantly: Advancements in internal combustion engines (ICE), battery electric vehicles (BEV), fuel cell electric vehicles (FCEV) and hybrid technologies (FHEV, PHEV) lead to a mix of powertrains on the road. This also translates into new requirements for coolant technologies. Continuously rethinking cooling, **GLYSANTIN®** has developed a portfolio to specifically address the needs of today's and tomorrow's powertrain technologies.

The **GLYSANTIN® ELECTRIFIED®** product family addresses the specific requirements of modern mobility concepts. It also offers premium engine coolants suitable for all current and future powertrains delivering manifold protection. While traditional **GLYSANTIN®** products used in ICE are also suitable for hybrid technologies and indirectly cooled BEV, new dedicated products for FCEV and BEV (direct and indirect cooling) have been developed.

GLYSANTIN® FC G20® ELECTRIFIED® is a coolant especially developed for FCEV with a low electrical conductivity. Compared to noninhibited glycol/water mixtures, the product maintains constant low electrical conductivity, securing corrosion protection and the electrical safety of the system.

GLYSANTIN® G22® ELECTRIFIED® is BASF's first premium battery coolant developed specifically for indirectly cooled BEV. The ready-to-use coolant delivers a low electrical conductivity and maintains low and stable currents when exposed to a voltage source. This translates into low fluid decomposition and low generation of hydrogen, making it a safety-optimized product, while ensuring optimal corrosion protection. Selected products can also be developed as **ECO ELECTRIFIED®** solutions, offering a low product carbon footprint (PCF) derived via the biomass balance approach, or by providing enhanced sustainability profiles via circular economy solutions.
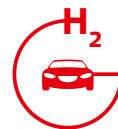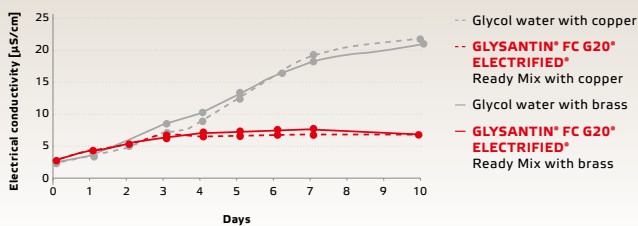

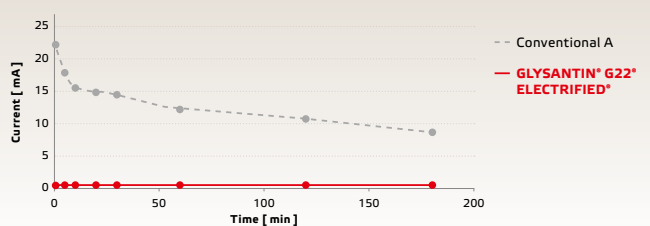**FUEL CELL ELECTRIC VEHICLE**

BATTERY ELECTRIC VEHICLE

INTERNAL COMBUSTION ENGINE

GLYSANTIN® FC G20® ELECTRIFIED®
Electrical conductivity of inhibited vs. non-inhibited glycol/water mixtures

- - - Glycol water with copper
- - - **GLYSANTIN® FC G20® ELECTRIFIED®** Ready Mix with copper
― Glycol water with brass
― **GLYSANTIN® FC G20® ELECTRIFIED®** Ready Mix with brass

GLYSANTIN® G22® ELECTRIFIED®
Maintaining low and stable currents when exposed to a voltage source (4V)

- - - Conventional A
― **GLYSANTIN® G22® ELECTRIFIED®**

COOL… COOLER… C**OOO**LANT

A brand of

□·BASF

We create chemistry