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### **ARKEMA AIMS TO IMPROVE EV BATTERY SAFETY WITH FORANEXT® GASEOUS THERMAL BARRIER CONCEPT**

**Arkema, a leader in specialty materials, announced today that it intends to improve electric vehicle (EV) battery safety with the launch of the first-of-its-kind Foranext® Gaseous Thermal Barrier (GTB) line. This new GTB material is engineered to prevent battery thermal runaway propagation at the origin of battery fires.**

The industry has acknowledged the need for manufacturers to continue to develop solutions like immersion cooling fluids to safely improve EV battery charge time. Immersion cooling technology can improve charge time and create an electrical insulation protecting against electric arcing and vibration dampening. Ignition is still a key risk for these fluids and systems.

Foranext® GTB is the game-changing material that can be added to immersion cooling fluid technology to fight thermal runaway propagation. GTB is activated when a battery cell reaches abnormally high temperatures and forms a gaseous barrier around the cell, isolating it from the rest of the battery. Gases produced during the thermal runaway process can ignite outside the vehicle, but the presence of GTB to the vented gases decreases ignition probability.

Arkema is the first company to suggest a gaseous alternative to a solid thermal barrier combining the excellent heat dissipation performance of immersion cooling and exceptional thermal insulation provided by Foranext® GTB only to achieve superior results.

Foranext® GTB is a key product that supports Arkema’s sustainable development strategy to address global needs. Arkema is committed to a 48.5% reduction in its GHG emissions for Scopes 1+2 by 2030 compared with 2019, as enabled by concepts like Foranext® GTB.

For more information about Foranext® GTM, visit: TBD For more information about Arkema’s climate plan, visit: <https://www.arkema.com/global/en/social-responsibility/responsible-manufacturer/environmental-footprint/>

Building on its unique set of expertise in materials science, Arkema offers a portfolio of first-class technologies to address ever-growing demand for new and sustainable materials. With the ambition to become in 2024 a pure player in Specialty Materials, the Group is structured into 3 complementary, resilient and highly innovative segments dedicated to Specialty Materials - Adhesive Solutions, Advanced Materials, and Coating Solutions - accounting for some 91% of Group sales in 2022, and a well-positioned and competitive Intermediates segment. Arkema offers cutting-edge technological solutions to meet the challenges of, among other things, new energies, access to water, recycling, urbanization and mobility, and fosters a permanent dialogue with all its stakeholders. The Group reported sales of around €11.5 billion (\$12.1 billion USD) in 2022, and operates in some 55 countries with 21,100 employees worldwide.

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