

ZITREC[®] EC

More than PG25



arteco
ENGENIOUS COOLANTS

COOLING THAT KEEPS UP—AND LASTS

When CPUs and GPUs keep increasing in performance, your cooling has to keep up

Arteco's ZITREC® EC direct-to-chip coolants ensure optimal performance and maximum efficiency, enabling components to operate at higher power without the risk of overheating. Thanks to the enhanced energy efficiency, a better power usage effectiveness is achieved.

ZITREC® EC – More Than PG25

Engineered for today's and tomorrow's data centers, ZITREC® EC goes beyond with a full ecosystem of tailored fluids, lifecycle services, and sustainable innovations.

More Than One Product

We offer PG-, EG-, and water-based coolants engineered for system compatibility, thermal performance, and reduced conductivity where needed.

More Than a Coolant

From startup to maintenance, we provide sampling, a leak detection package, and system health checks to ensure optimised coolant performance and minimize risk.

More Than a Supplier

We partner directly with engineers and OEMs to co-develop, test, and optimize custom fluids with agile R&D and global supply chain support.

More Than Sustainable

Our solutions include long-lasting coolants, recycled and bio-based base fluids, recycled surface water, and packaging made from recycled materials. These are just the first steps towards an overall net zero value chain.

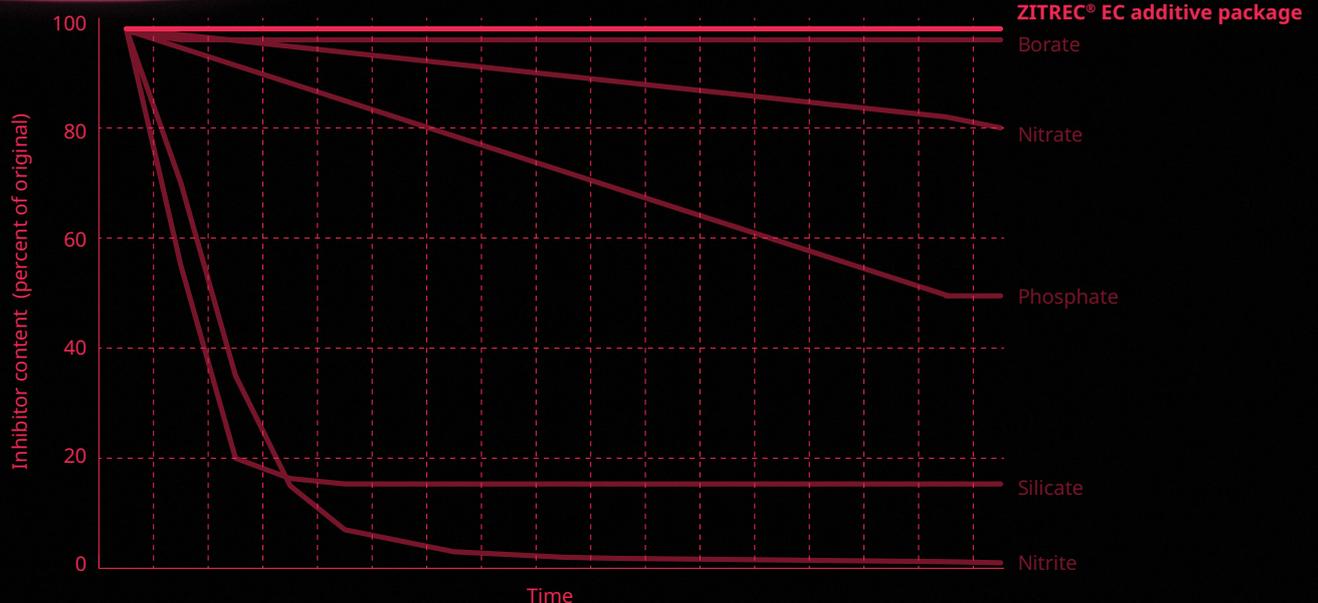
More Than Today

With active R&D and regulatory readiness, we're prepared for next-gen chips, emerging materials, and the future of data center thermal management.

Go for optimal uptime with ZITREC® EC

Top performance and efficiency isn't enough: material protection and total cost of ownership play significant roles.

A meticulously chosen additive package that is compatible with all system materials—including metallurgy, elastomers, and plastics—is essential for minimizing installation costs, reducing maintenance needs, and maximizing uptime. Its advanced features offer long-lasting corrosion protection and cooling capabilities that promote longer equipment lifespan and reduced downtime.





Optimal thermal performance

Multiple base fluid options with advanced formulations specifically designed to withstand elevated temperatures. These high-performance solutions are engineered to deliver superior durability, ensuring a longer lifespan compared to traditional technologies.



Advanced corrosion protection

Patented organic additive technology (OAT) and selected additives result in long-lasting corrosion resistance and protect critical system components even at elevated temperatures.



Material compatibility

High temperature corrosion protection for metals such as copper, (stainless) steel, aluminium, brass, etc. Compatible with most common elastomers and thermoplastics.



No biofouling

All formulations are proven to be biostatic and preventing the formation of biofilms.



Leakages

By incorporating a stable leak detection package, leak locations can be quickly and easily identified. Additionally, a reduced electrically conductive product is available minimizing the risk of short circuits, enhancing overall safety and reliability.



Environmental responsibility

No environmental concerns. All formulations are readily biodegradable. ECO solutions with EG or PG from bio-based or recycled sources are available on request.



Safety

Continuous monitoring of global chemical regulations ensures low toxicity products, resulting in safe handling and operation. All formulations are free from nitrites, borates and 2-EHA.



Global support

A global network with offices and plants at strategic locations ensures an efficient supply chain. Our product stewardship team is continuously monitoring the global chemical regulations.

ZITREC® EC 10

Water Based

Optimal heat transfer using biostatic, corrosion-inhibited water

ZITREC® EC 20

PG Based

Low toxicity using propylene glycol

ZITREC® EC 30

EG Based

EG based heat transfer fluid with aluminium brazing flux compensation

ZITREC® EC 40

EG or PG Based

Minimizes electrical risks in the unlikely event of a leak

| | | | | |
|--|--|---|---|----|
| Freeze & boiling protection | | ✓ | ✓ | ✓ |
| Patented (corrosion) inhibitor package | ✓ | ✓ | ✓ | ✓ |
| Readily biodegradable | ✓ | ✓ | ✓ | ✓ |
| Low toxicity | ✓ | ✓ | | ✓* |
| Worldwide available | ✓ | ✓ | ✓ | ✓ |
| Reduced electrical conductivity | | | | ✓ |
| Biostatic | ✓ | ✓ | ✓ | ✓ |
| Leak detection | | ✓ | ✓ | |
| Material compatibility | Compatible with most commonly used elastomers and metals | | | |

* applicable for the PG-based version



ABOUT ARTECO

Small enough to listen, big enough to matter

Arteco was established in 1998 as a joint venture between Chevron and TotalEnergies. Our vision is to cool the systems of our ever-warming planet by providing ingenious coolant technologies throughout the world.

To achieve this vision, we focus on 4 key values:

-  **We collaborate to accelerate**
-  **We go the extra mile for our customers**
-  **We strive to excel**
-  **We explore and learn**



ZITREC® EC 20 ECO

OUR ECO SOLUTION

Discover our sustainable options

At Artec, we're in the business of enabling progress. However, true progress goes beyond technology.

Our intrinsic drive for positive change inspired the development of an ECO product range - a set of products offering the same product performance and quality as the other products in the ZITREC® EC range.

Contact us to discover what our **ZITREC® EC ECO** solution can offer you.



Let's talk

Contact us about your needs and requirements, we're happy to discuss the possibilities.

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