DC COOLING BioLife

100% biosourced
single phase dielectric fluid

TotalEnergies

TotalEnergies Fluids SAS - Headquarters: Tour Coupole, 2 place Jean Miller La Défense 6 92078 Paris La Défense Cedex - Share capital: €6,920,000 B 342 241 908 RCS Nanterre
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DC COOLING BioLife

100% biosourced dielectric fluid for single phase liquid cooling

With its unique technology, TotalEnergies Fluids has developed a wide range of high purity renewable fluids: the BioLife range.

Our biosourced products are obtained from 100% certified feedstocks and provide sustainable solutions for innovative technologies.

Immersion cooling involves directly immersing electronic components in a dielectric fluid, thereby increasing heat transfer efficiency.

DC COOLING BioLife is a biosourced dielectric range combining high purity and high cooling performance.

Developed in our leading-edge R&D centers, its thermal and oxidation stability will ensure a longer span life of your IT components.

Sustainability / HSE

- Biosourced dielectric fluid
- ISCC PLUS certified for a full traceability
- From circular economy material origin
- Favorable carbon footprint*
- Non-toxic, non-irritant
- Readily biodegradable**

*Life cycle assessment: ISO 14067, peer reviewed, craddle to gate. ** OECD 301

ISCC
International Sustainability & Carbon Certification

Technical

- Very low viscosity
- Safe flashpoint
- No odor and no color
- Long life stability
- High metal compatibility

	DC COOLING BioLife 4	DC COOLING BioLife 5
Viscosity	4 cst@40°C	
Flashpoint	min. 140°C	min. 150°C
Breakdown voltage	>35 kV	
Electrical conductivity	0 pS/m	
Specific heat	2,3 kJ/(kg,K) @60°C	

The Special Fluids division of TotalEnergies:

A global network with a local touch

A recognised **GLOBAL LEADER**

HEALTH & SAFETY are the cornerstones of our processes

A WIDE SELECTION OF PRODUCTS for various industrial applications

MULTI-SKILLED TEAMS of passionate, seasoned specialists

PLANTS in France and the US

Leading-edge **R&D** centers in France, Belgium and India

WORLDWIDE presence

TotalEnergies

specialfluids.totalenergies.com