



DC COOLING BioLife

100% biosourced
single phase dielectric fluid



TotalEnergies



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 Used Cooking Oil origin
- Favorable carbon footprint*
- Not toxic, not irritant
- Readily biodegradable**



Technical

- Very low viscosity
- Safe flashpoint
- Long life stability
- High metal compatibility

Viscosity	from 2 to 5 cst@40°C
Flashpoint	min. 130 °C
Breakdown voltage	> 35KV
Electrical conductivity	0 pS/m
Specific heat	2.32 kJ/(kg.K) @60°C



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

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

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