

BioTech Fuel

BIOTECH D

The Biotech D product is liquid biomass with the same combustion characteristics as heavy fuel. It is a mixture of products made from the distillation of Crude Tall Oil (CTO). CTO is a residue that comes from the Kraft process that converts resins into pulp. Tall Oil comes under the sustainable products recognized by the European Directive (RED - Renewable Energy Directive).

Fioul Industries obtained ISCC-EU certification in July 2017 for Biotech D. ISCC-EU is a private standard that transposes RED requirements on renewable energy, which defines a list of eligible products, the traceability of products when purchased and sold, and the calculation of GHG emissions.

Ecosolutions by TotalEnergies advantage

Biotech D is compared to the reference product Heavy Fuel Oil TBTS 1%S, a fossil product of the refinery, which concentrates the impurities of the crude oil such as metals, asphaltenes, or sulfur. Biotech D is used as a fuel with the same type of boiler and burner as Heavy Fuel Oil.

The Environmental Performance

The Biotech D used as fuel in substitution of heavy fuel oil allows to :



97% of reduction in green house gas emissions



Lesser health impact

EXTERNAL VERIFICATION

Independent auditor EY has verified that this product was labeled according to the method described in the Ecosolutions by TotalEnergies Guidelines and that the guidelines comply with the principles set out in the ISO 14020 and 14021 standards which govern environmental claims and particularly their accuracy.

Label award date: October 2018

Label Term: December 2022

Geographical scope: Europe

Leveraging innovation to serve continuous improvement, the label Ecosolutions by TotalEnergies involves developing products, services and solutions that enable our customers to improve their environmental footprint.

For any question or to learn more about the Ecosolutions program and the labeled products and services, go to: <https://ecosolutions.totalenergies.com/fr>