

# PRODUCT CARBON FOOTPRINT (PCF) CALCULATION FOR CHEMICAL PRODUCTS, TEXTILE MATERIALS AND TRIMS —

## Know your product CO<sub>2</sub>e footprint for scope 1, 2 and 3 emissions

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ACADEMY

### Why is this service relevant for your company?

How much greenhouse gas emissions are associated with your product along its life cycle? This question has become increasingly important over the past years and a Product Carbon Footprint (PCF) can help to give answers. A product footprint measures the environmental impact of your product from gate-to-gate and beyond. It's based on life cycle assessment methodology. Calculating a product footprint will help you to understand the main factors behind the environmental footprint of your product. It can be used to create supplier commitment and increase the credibility of your product's environmental performance from a stakeholder perspective.

#### MAIN COMPONENTS

- Product analysis
- Raw data collection for Scope 1, 2 and 3 emission categories
- Data completion with suitable databases (e.g., ECOINVENT)
- Calculation of your PCF

#### KEY BENEFITS

- Identify main factors behind your product environmental footprint
- Demonstrate continuous improvement on climate change to stakeholders
- Strengthen credibility of your sustainability communications

#### DELIVERABLES

- Product Carbon Footprint calculation for scope 1, 2 and 3 emissions
- Overview of raw data and calculation methods and steps for reproducibility and transparency
- Statistics and graphs