



TOGETHER FOR
SUSTAINABILITY

The Product Carbon Footprint Guideline

Gold standard for
calculating PCFs in
the chemical industry

Upstream Scope 3 greenhouse gas (GHG) emissions constitute a major share of a chemical company's emissions. Calculating the carbon footprint of products provides the best product-level information for identification, tracking and reducing Scope 3 GHG emissions in the industry.

Taking the lead for the chemical industry, TfS launches a Product Carbon Footprint (PCF) Guideline for the calculation of PCFs for chemical materials, and in 2023 an IT solution that will enable companies to share and update their PCFs efficiently. The PCF Guideline enables suppliers and corporations to produce comparable quality carbon footprint data for the first time. Consistency of results can create a high-quality industry baseline, making it simple for businesses to conduct cross-industry comparisons and to compile and manage their emissions across all 3 scopes.

tfs-initiative.com/scope-3-ghg-emissions

TfS Product Carbon Footprint Guideline

Unique to the chemical industry

- First of its kind
- Chemical industry-specific
- Tailored solution to meet unique challenges when calculating PCFs
- Allows comparison of PCFs across companies

Ensured stakeholder acceptance


- Aligned with existing standards through partnering with organisations such as GHG Protocol, WEF, Science-Based Targets initiative and WBCSD
- ISO and GHG protocol accounting standards compliant


Applicable across industries


- Open source
- Useful for other industries using chemical materials

Next step is to share PCF data among supplier and TfS member via an IT solution

- The IT solution will allow TfS members to engage with suppliers at scale
- Will become available in Q2 2023





 Results in quality and comparability of PCF data

 Calculate, manage and reduce a company's Scope 3 GHG emissions





 Publicly available on the **TfS website**

Benefits

For Corporations

-  **Find guidance** for calculating Scope 3 Category 1 emissions¹ (purchased goods and services) using PCFs
-  **Understand the data and information** needed to evaluate scope 3 emissions in the chemical supply chains
-  **Better identify** GHG reduction opportunities
-  **Bolster reporting and reputation** among customers, investors and key stakeholders

For Suppliers

-  **Calculate PCFs** to the level of specificity that customers request
-  **Find calculation criteria** and instructions for determining chemical PCFs
-  **Understand how to provide** corporate customers PCFs to the level of specificity they are requesting
-  **Improve sustainability performance** and that of the value chain

¹ Source: Analysis of CDP responses in 2020, via Avieco, "Translating Scope 3 emissions for the chemical sector"