Product Carbon Footprint Report

Created on 12.02.2025

Introduction

The Product Carbon Footprint (PCF) Platform allows automated PCF calculation and enhances transparency of carbon emissions along the supply chain. This solution was developed from the BASF methodology named SCOTT and efficiently calculates the PCF of chemical products based on primary and high-quality secondary data.

The calculated clear, transparent, and comparable PCFs allow insights into the supply chain and show the right areas of actions to reduce emissions. Therefore, the provided PCFs can be leveraged as a source of innovation for low-emission products and eco-innovation to help mitigate climate risks and support adjustments to future legislation. Furthermore, providing transparent, comparable and high-quality PCFs is a key market driver and differentiator against competitors.

Methodology

The industry proven Product Carbon Footprint (PCF) Platform is a software platform leveraging BASF's digital solution and methodology (SCOTT) for calculating PCF. This methodology adheres to the Product Carbon Footprint standard ISO 14067:2018, which is based on the Life Cycle Assessment standards ISO 14040:2006 and ISO 14044:2006. In addition, the methodology is aligned with the Together for Sustainability PCF Guideline, a global standard of PCF calculation in the chemical industry.

The PCF Platform results include product-related cradle to gate greenhouse gas (GHG) emissions, including removals, per 1 kg of unpackaged product at factory gate. Results of the calculations are reported using climate change, global warming potential (GWP100 - 100 year global warming potential) factors from the IPCC 6th assessment report (IPCC 2021). These include all six Kyoto GHGs - carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulphur hexafluoride (SF_6), plus NF_3.

Product Carbon Footprint Data

You may put introductory information on the PCF data itself here.

Company and Product Information	
Company Name:	XA038
Company ID:	OC-38
Product Name:	NeoNectar 200
CAS Number:	None
Declared unit:	1 kg
Product Description:	None
Carbon Footprint (Greenhouse Gas Emissions)	
PCF excl. biogenic:	2.71 (kg CO_2e/kg product)
PCF incl. biogenic:	2.71 (kg CO_2e/kg product)
Total carbon content:	unknown
Reference period:	2023
Geography:	Aachen, Germany, EU
Source of secondary data	ecoMinds 4.7
Allocation method	n/a
Verification approach	Verification by internal LCA expert
Land Use	
Land Use total (SQI):	7.11 (1/kg product)
Water Use	
Water Use total:	0.219 (m^3 world eq. deprived/kg product)

Closing remarks below the table go here.

Boundary & Standards

The PCF calculations performed to create this report adhere to **TfS Guideline 2022** and **ISO 14067:2018**.

Additional Information

Where applicable, the System Expansion allocation approach was used for waste incineration with energy recovery.

Disclaimer

You may definitely want to involve your Legal team to phrase the text and sign off on this chapter.

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