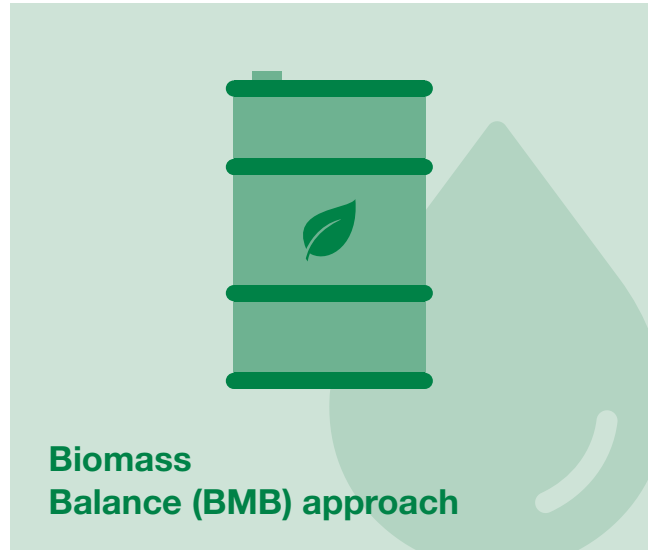


1,4-Butanediol (BDO) with lower Product Carbon Footprint (PCF)

BASF
We create chemistry

Now available in two variants for advanced sustainability

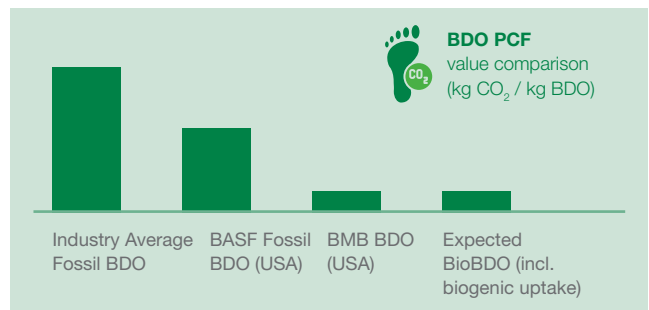


- **Min. 95% traceable biobased content (C14)***
- Using biobased materials from fermentation of plant-based sugars
- Lower PCF¹ than BASF's corresponding fossil-based BDO
- Comparable quality as fossil-based versions with the same specification

- **100% substitution of fossil resources with renewable resources in the value chain**
- Lower PCF¹ than BASF's corresponding fossil-based BDO
- Contribution to saving CO₂ emissions.
- Drop-in solution: identical quality and properties compared to standard BDO
- Manufactured according to a certified mass balance approach² (ISCC PLUS)

Significantly lower Product Carbon Footprint (PCF)

**BASF's BMBcert® and
1,4-BDO Biobased offerings
provide a lower PCF**



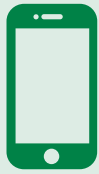
*ASTM D6866

¹The product carbon footprint (PCF) calculations follow the requirements and guidance given by ISO 14067:2018. In a methodology review, TÜV Rheinland has confirmed that the PCF (SCOTT) methodology developed and used by BASF SE is scientifically-based, is in accordance with ISO 14067:2018 and the Together for Sustainability PCF¹, and reflects the state of the art (ID-Nr. 0000080389: BASF SE - Certipedia).

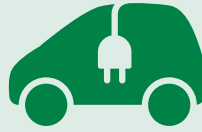
²The Product Carbon Footprint Guideline for the Chemical Industry' (Together for Sustainability, 2022) BASF has made these assessments of corresponding third-party products using publicly available information and fee-based, proprietary market survey data on production routes and deployed raw materials, to the extent available, as well as BASF's own market and technology know-how. The data assumptions and allocation factors for third-party PCFs are the same as for the calculation of the PCF of the BASF product, as applicable. BASF's assessments of the PCFs of the corresponding third-party products have not been subject to an LCA critical review by an independent third party. *More details on the mentioned chemical intermediates: <https://chemicals.basf.com/global/en/Intermediates/sustainability/low-pcf.html>

³Find out more about BASF's biomass balance approach at: <https://chemicals.basf.com/global/en/Intermediates/sustainability/biomass-balance>

BDO is a versatile building block used in various products



Thermoplastic Polyurethanes (TPU): BDO is used as a chain extender leading to crystalline hard segment.



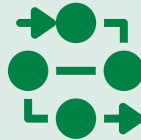
Polybutylene Terephthalate (PBT) and Copolyesters: BDO is used as a building block of copolyester elastomers.



CAST Elastomers: chain extender leading to crystalline hard segment.



Polybutylene adipate terephthalate (PBAT): BDO is used as a building block.



Derivatives: BDO is used in the production of N-Methyl-2-pyrrolidone (NMP), tetrahydrofuran (THF) and gamma-butyrolactone (GBL).



Polyester Polyols: As a building block during synthesis.

Product Details

Formula	$C_4H_{10}O_2$
Molecular Weight	90.1 g/mol
Water	Max 0.05%
Color	Max 10 APHA



CAS No.:
110-63-4



Packaging:
Drums, Bulk



Further information and contact

Please visit our website for more info for sustainable products