

Review report

Table 1. see detailed guide on how to fill in the information at https://eplca.jrc.ec.europa.eu/permalink/Guide_EF_DATA.pdf section 8.3.

REVIEW REPORTING			
General information			
Data set name	<i>n-Butanol</i>		
Data set UUID and version number	<i>2AFC12E7-12BC-4DCE-966F-CEC8B8DFD2E5; 01.01.001</i>		
Data set locator (e.g. Permanent URI, URL, contact point, or database name and version, etc.)	https://www.esig.org/green-deal/circularity-sustainability/		
Review commissioner(s)	<i>ESIG (OSPA)</i>		
Reviewer name(s) and affiliation(s), contact	<i>Angela Schindler, Dr. Martin Baitz</i>		
Review type applied, and compliance with EF requirements for review	<i>Type 2</i>		
Method used for review , and review scope	<i>Data set has been reviewed according to documentation/Eco-profile report and explanations via webmeeting of the practitioners. Plausibility check of result values.</i>		
Date of review completion	<i>15.11.2021</i>		
Reviewed against/Compliance system name	<i>Guide for EF compliant data sets, v2.0 (2020)</i>		
Compatibility with EF reference package (Version)	<i>EF3.0</i>		
OVERALL COMPLIANCE ASSESSMENT			
aspect	yes	no	comments
Compliance with specific EF requirements	<i>yes</i>		<i>Compliant with all relevant requirements of Guide for EF compliant data sets;</i>
Allocation rules clearly explained and consistent	<i>yes</i>		<i>Eco-profile describes allocation of foreground and background data.</i>
Circular Footprint Formula (correct implementation)	<i>yes</i>		<i>Due to cradle-to-gate LCI, CFF is applied with background data as pre-defined GaBi processes for energy gain.</i>
LCIA results consistency	<i>yes</i>		<i>Technical check and evidence per practitioner.</i>
Nomenclature			
Correctness and consistency of applied nomenclature (use of Specific EF reference package; Correct nomenclature of other flows, processes etc;)	<i>Yes; LCI generated by recommended tools in combination with latest GaBi software version.</i>		
Documentation			
Appropriateness of documentation. See Document 'Documentation of LCA data sets' and additional EF data guidelines.	<i>Documentation follows ILCD template, EF guide and is accompanied by a documentation following the methodological protocol of PlasticsEurope.</i>		
Appropriateness / correctness of documentation format (ILCD Format)	<i>Documentation has been checked by practitioner by ILCD editor; content has been checked by reviewer.</i>		
Validation with ILCD validator	<i>yes</i>		

DQRs	yes		<i>DQR setting by LCA practitioner and checked by reviewer.</i>
Cut-off	<i>Compliant with the Guide for EF compliant data sets, v2.0 (2020)</i>		

Additional Information (if needed)

Documents referred or accessed by the reviewer (references also for unpublished documentation)

Eco-profile of three oxygenated solvent (groups): n-Butanol, Butyl Glycol Ethers, Acetone, Nov 2021

Compliance declaration:

The reviewers declare on their responsibility that the reviewed data set **is** compliant with the Environmental Footprint general and specific compliancy rules."

Reviewer(s)' signature(s)

Name Surname: Angela Schindler



Name Surname: Martin Baitz

