REVIEW REPORTING				
General information				
Data set name	alkvd resi	n. short oil	based on long oil	
Data set UUID and version number	Aggregated: c8b9522b-ad6a-46f8-a8ac-0c378566514d Disaggregated: 4910df66-3b18-4585-8f70-4b727a4c4c82 Version number: 03.00.001			
Data set locator	CEPE LCDN node: Chemicals for Paints datasets for PEF calculations, reference package EF3.0; https://lcdn-cepe.org/			
Review commissioner(s)	The European association of Paint, Printing Inks and Artists' colours manufacturers (CEPE)			
Reviewer name(s) and affiliation(s), contact	Max Sonnen, Ecomatters B.V., max.sonnen@ecomatters.nl; Natalia Chebaeva, Ecomatters B.V., natalia.chebaeva@ecomatters.nl			
Review type applied, and compliance with EF requirements for review	Review ty	pe 2, EF re	view compliance fulfilled.	
Method used for review , and review scope	The review focuses on the update of the dataset due to the EF reference package update. Selective review is performed covering only the points and parameters updated. The underlying general model was reviewed, with spot check of some parameters in all data sets. Suggestions for the dataset documentation were provided, discussed, and implemented. Review was carried out with study of the provided data set ILCD files, data set documentation, a series of dialogues with the data set developer and data entry practitioner, and additional information provided by data entry practitioner on request.			
Date of review completion	22.04.2022			
Reviewed against/Compliance system name	PEF/OEF			
Compatibility with EF reference package (Version)	EF3.0 (3f5b0b56-60e6-4df7-869d-a811830386d9)			
Overall compliance assessment	T	T	T	
Aspect	yes	no	comments	
Compliance with specific EF requirements	X		Electricity modelling is not reviewed for the scope of changing EF reference package; update of the background dataset for electricity is verified. Climate change modelling is not reviewed for the scope of changing EF reference package; no changes expected in the update. Agricultural modelling is not reviewed for the scope of changing EF reference package; no changes expected in the update. Transport on the foreground is modelled as one single sub-process for each transport dataset entering the gate of the central dataset modelled, without differentiation on transported material/ingredient/component. The	

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		transported weight and distance are modelled as one value without indication		
		as two separate parameters at the level		
		of the central dataset. The modelling		
		diviates from the EF modelling		
		requirements and agreed upon with the		
		data providers subject confidentiality.		
		Capital goods and their end of life are		
		included as documented. Water flows are		
		mainly regionalized, with separation of		
		withdrawal, release and evaporation for		
		both foreground and background. Non-		
		regionalised water flows are explained as		
		allocated to countries not covered by the		
		EF reference package, according to the EF		
		guidance. Land related flows are partially		
		regionalised. Non-regionalised flows are		
		possible to be allocated to countries not listed in the EF reference package. No		
		duplicated or waste flows detected. No		
		duplicated elementary flows detected.		
Allocation rules clearly explained	NA	Not reviewed for the scope of changing		
and consistent	IVA	EF reference package; no changes		
and consistent		expected in the update		
Circular Footprint Formula	Х	Reference product is assumed without		
(correct implementation)	^	recycled content, and is an intermediate		
(correct implementation)		product (end of life of the product is		
		outside the system boundary). Circular		
		footprint formula (CFF) is therefore not		
		applied in the foreground modelling as		
		not relevant. CFF application in the		
		background system is assumed in		
		accordance to the background data sets		
		used (primarily, as concerns energy		
		recovery in waste treatment), and is not		
		included into the scope of review.		
LCIA results consistency	Х	LCIA results are reported consistently.		
,		Verification of the reported characterised		
		results is done with Look@LCA. No		
		discrepancies above 1% detected.		
Nomenclature				
Correctness and consistency of	X	Nomenclature of the process and		
applied nomenclature (use of		relevant flows is compliant (Reference		
Specific EF reference package;		package EF3.0), and applied correctly and		
Correct nomenclature of other		consistently.		
flows, processes etc.)				
Documentation	1			
Appropriateness of	Information on the dataset name, UUID, reference flow and its qualities, technology and geographical covereage are indicated.			
documentation.				
	Modelling choices and principles are listed (LCI method a			
	approach	es, cut-off, specific modelling), explanations are given		

	to specific modelling and diviations from the EF guidance and				
	listed prin	listed principles. A link to the flow diagramme is included. Data			
	selection principles, data treatment, data quality assessments				
	are presented. LCIA per impact category are provided in				
	accordance to the EF3.0 reference package. Review details are				
	given. Administrative data is sufficient, including publication				
	and ownership, and intended applications. Provided range of				
	documentation is EF compliant (with reservations), and allows for a fair assessment of the dataset. Provided metadata is				
	detailed e	enough, and mainly respects ILCD entry-level and			
	additional EF requirement. Diviations do not impede a fair				
	assessme	assessment of the dataset use.			
Appropriateness / correctness of	Documentation format is appropriate, all required				
documentation format (ILCD	documentation fields are filled in providing the relevant				
Format)	metadata for the dataset. Documentation check tool applied,				
	with no detected issues.				
Validation with ILCD Validation	Χ	ILCD validation tool is applied, no issues			
tool		detected.			
DQRs	NA	Provided DQR scores are not updated in			
		the reference package update, in			
		accordance with the section 3.6.5 of the			
		tender. The existent EF2.0 DQR scores			
		assessement was not reviewed. User is			
		advised to consider the DQR with caution			
		when using them without recalculation.			
Cut-off	NA	Not reviewed for the scope of changing			
		EF reference package; no changes			
		expected in the update			
Additional information	User is adviced to take into account that packaging materials				
	are not in	are not included in the modelling of the reference product			

The reviewers declare on their responsibility that the reviewed data set is compliant with the Environmental Footprint general and specific compliancy rules, with the deviation notions provided.

Max Sonnen, Ecomatters B.V.

Natalia Chebaeva, Ecomatters B.V.

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