REVIEW REPORTING					
General information					
Data set name	alkyd resin, TOFA based on long oil				
Data set UUID and version			ad-9aea-4963-bdfd-254ed7e6b53f		
number	Disaggregated: 4a93668d-2d8f-4ae6-beb2-a96227796d6a				
		umber: 03.			
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	Max Sonnen, Ecomatters B.V., max.sonnen@ecomatters.nl;				
affiliation(s), contact	Natalia Chebaeva, Ecomatters B.V.,				
			comatters.nl		
Review type applied, and	Review ty	pe 2, EF rev	view compliance fulfilled.		
compliance with EF requirements					
for review					
Method used for review , and	The review focuses on the update of the dataset due to the EF				
review scope	reference package update. Selective review is performed				
	covering only the points and parameters updated. The				
	· ·	underlying general model was reviewed, with spot check of			
			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	PEF/OEF				
system name	FLITOLI				
Compatibility with EF reference	EF3.0 (3f5	5b0b56-60e	e6-4df7-869d-a811830386d9)		
package (Version)					
Overall compliance assessment					
Aspect	yes	no	comments		
Compliance with specific EF	X		Electricity modelling is not reviewed for		
requirements			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		
Allogotion mules also also also also al	NIA	duplicated elementary flows detected.		
Allocation rules clearly explained and consistent	NA	Not reviewed for the scope of changing		
and consistent		EF reference package; no changes		
Circular Footprint Formula	X	expected in the update		
Circular Footprint Formula	^	Reference product is assumed without		
(correct implementation)		recycled content, and is an intermediate 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	1			
Correctness and consistency of	Х	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	•			
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 and		
	approach	es, cut-off, specific modelling), explanations are given		

	+:f:-		and divintions from the CC avides as and		
	to specific modelling and diviations from the EF guidance and listed principles. A link to the flow diagramme is included. Data selection principles, data treatment, data quality assessments.				
	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 enough, and mainly respects ILCD entry-level and				
	additional EF requirement. Diviations do not impede a fair				
A	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	X		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 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.

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