REVIEW REPORTING				
General information				
Data set name	Acrylate binder; technology mix; production mix, at plant; 47% in water			
Data set UUID and version number	Aggregated: d32821da-b0c9-481c-a4b6-27b0b735274d Disaggregated: 0acb015e-dabc-4c27-9d86-a8c55da39492 Version number: 03.00.001			
<b></b>				
Data set locator			emicals for Paints datasets for PEF	
	calculations, reference package EF3.0; https://lcdn-cepe.org/ The European association of Paint, Printing Inks and Artists'			
Review commissioner(s)				
Poviowor namo(s) and	colours manufacturers (CEPE)			
Reviewer name(s) and affiliation(s), contact	Max Sonnen, Ecomatters B.V., max.sonnen@ecomatters.nl;			
anniation(s), contact	Natalia Chebaeva, Ecomatters B.V., natalia.chebaeva@ecomatters.nl			
Review type applied, and	Review type 2, EF review compliance fulfilled.			
compliance with EF requirements for review	Neview ty	pe 2, Li Tev	new compliance runnied.	
Method used for review , and review scope Date of review completion	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. 22.04.2022			
Reviewed against/Compliance	PEF/OEF			
system name				
Compatibility with EF reference package (Version)	EF3.0 (3f5b0b56-60e6-4df7-869d-a811830386d9)			
Overall compliance assessment				
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 is not included in the foreground modelling, but is documented to be accounted for in the averaged background processes used for approximation. Review of the background	

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

Appropriateness / correctness of documentation format (ILCD Format)	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. Allocation method used is declared but is not detailed in the documentation as of allocated co-products, and allocation factors used. 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 assessment of the dataset use. Documentation format is appropriate, all required documentation fields are filled in providing the relevant metadata for the dataset. Documentation check tool applied,		
Validation with ILCD Validation tool	with no de X	etected issues. ILCD validation tool is applied, no issues 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 advices to take into account that packaging of the product is not included in the modelling, while transport and energy flows modelling is included, but accounted for in the blackbox.		

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.

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