REVIEW REPORTING				
General information				
Data set name	Cuprous oxide; technology mix; production mix, at plant			
Data set UUID and version	· ·		57-4795-43dd-9414-7b5fe6ff8988	
number	Disaggregated: 7c587a99-fce2-4b0a-afdc-97270b76afa1			
		umber: 03.		
Data set locator	CEPE LCDN node: Chemicals for Paints datasets for PEF			
Data set locator	calculations, reference package EF3.0; https://lcdn-cepe.org/			
Review commissioner(s)	The European association of Paint, Printing Inks and Artists'			
nerien commissioner (s)	colours manufacturers (CEPE)			
Reviewer name(s) and	Max Sonnen, Ecomatters B.V., max.sonnen@ecomatters.nl;			
affiliation(s), contact	Natalia Chebaeva, Ecomatters B.V.,			
(-1,/	natalia.chebaeva@ecomatters.nl			
Review type applied, and	Review type 2, EF review compliance fulfilled.			
compliance with EF requirements		po =, =		
for review				
Method used for review , and	The revie	w focuses o	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			
	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	PEF/OEF			
system name				
Compatibility with EF reference	EF3.0 (3f5	b0b56-60e	e6-4df7-869d-a811830386d9)	
package (Version)				
Overall compliance assessment				
Aspect	yes	no	comments	
Compliance with specific EF	Χ		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	
		duplicated elementary flows detected.	
Allocation rules clearly explained	NA	Not reviewed for the scope of changing	
and consistent		EF reference package; no changes	
		expected in the update	
Circular Footprint Formula	X	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	X	LCIA results are reported consistently.	
		Verification of the reported characterised	
		results is done with Look@LCA. No	
No		discrepancies above 1% detected.	
Nomenclature	T v	Name and all and a second of the second of t	
Correctness and consistency of	X	Nomenclature of the process and	
applied nomenclature (use of		relevant flows is compliant (Reference	
Specific EF reference package; Correct nomenclature of other		package EF3.0), and applied correctly and	
		consistently.	
flows, processes etc.) Documentation			
	Informati	on on the dataset name. IIIID reference flowered its	
Appropriateness of documentation.	Information on the dataset name, UUID, reference flow and its		
documentation.	qualities, technology and geographical covereage are indicated. Modelling choices and principles are listed (LCI method and		
	_	es, cut-off, specific modelling), explanations are given	
	approach	es, cut-on, specific modelling, explanations are given	

Appropriateness / correctness of documentation format (ILCD Format)	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 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, substituted quantities and proccesses 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		
Format)	metadata for the dataset. Documentation check tool applied, with no detected issues.		
Validation with ILCD Validation tool	X	ILCD validation tool is applied, no issues detected.	
DQRs	X	In the dataset update due to the update of the reference package, the score for geographical representativity was updated. The agrumentation for the score update is deemed sufficient. Other provided DQR scores are not updated in the reference package update, in accordance with the section 3.6.5 of the tender. 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.

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