

FS Section	Content field	Explanation of content
1. Title	1.1 Title of SPERC	Consumer application of coatings
	1.2 SPERC codes:	CEPE SpERC 8a.1a.v2 Application - consumer - brush/roller - indoor use - volatiles CEPE SpERC 8c.1a.v2 Application - consumer - brush/roller - indoor use – non-volatile CEPE SpERC 8d.1a.v2 Application - consumer - brush/roller - outdoor use - volatiles CEPE SpERC 8f.1a.v2 Application - consumer - brush/roller - outdoor use – non-volatile
2. Scope	2.1 Substance/Product Domain	
	Substance types / functions / properties included or excluded:	Included: Volatile and non-volatile compounds in liquid mixtures, solids in polymeric liquids Intended compounds not classified as carcinogenic or mutagenic, PBT or vPvB Volatile compounds rapidly degradable Water-borne mixtures may contain biocidal agents of product type 2, 6 or 7
	Additional specification of product types covered:	Liquid coatings: - solvent-borne up to 95 % volatile content, - liquid solvent-free coatings close to 100 % non-volatile content
	Inclusion of sub-SPERCs: y/n	Yes
	2.2 Process domain	
	Description of activities/processes:	Covers the whole process* of application of organic solvent borne and water borne liquid coatings and inks by consumers by brush or roller. *Includes: Application of coatings by brush or roller Cleaning of equipment Waste management of coatings
	2.3 List of applicable UD	
	LCS:	C: Consumer use
SU:	n/a	
PC:	9a, 9b	
3. Operational conditions (including information on technical strategies to achieve high raw material efficiency)	3.1 Conditions of use	
	Location of use:	Indoor (CEPE SpERC 8a.1a.v2, CEPE SpERC 8c.1a.v2) outdoor (CEPE SpERC 8d.1a.v2, CEPE SpERC 8f.1a.v2)
	Water contact during use: y/n	Y
	Connected to a standard municipal biological STP: y/n	Y
	Rigorously contained system with minimisation of release to the environment: y/n	N
	Further operational conditions impacting on releases to the environment.	
	3.2 Waste Handling and Disposal	

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	Waste Handling and Disposal:	Waste water from equipment cleaning discharged to standard municipal sewage treatment plant Process waste may be recycled or incinerated by local authority	
4. Obligatory RMMs onsite	RMM limiting release to air:	None	
	RMM Efficiency (air): numerical value	Not applicable	
	Reference for RMM Efficiency (air):	Not applicable	
	RMM limiting release to water:	Not applicable	
	RMM Efficiency (water): numerical value	Not applicable	
	Reference for RMM Efficiency (water):	Not applicable	
	RMM limiting release to soil:	Not applicable	
	RMM Efficiency (soil): numerical value	Not applicable	
5. Exposure Assessment Input	Reference for RMM Efficiency (soil):	Not applicable	
	5.1 Substance use rate		
	Amount of substance use per day: numerical value	Typical maximum daily usage, for any one substance , based on sector knowledge 5 kg product/day at any one location	
		Substance function	Max daily substance use rate in kg/d
		Pigment/extender/filler	0.5
		Binder	0.5
		Water	1.50
		Organic solvent/coalescent Additives	2.2 0.03
	Fraction of EU tonnage used in region: numerical value	Not available	
	Fraction of Regional tonnage used locally: numerical value	Not available	
	Justification / information source:	Not available	
	5.2 Days emitting		
	Number of emission days per year: numerical value	Dispersive use	
		Continuous release: 365 d/y	
	Justification / information source:	Expert knowledge	
	5.3 Release factors		
	SPERC identifier:	CEPE SPERC 8a.1a.v2	
	ERC:	8a	
	sub-SPERC applicability:	Application - consumer – brush/roller - indoor use - volatiles	
	5.3.1 Release Factor – air		
	Numeric value / percent of input amount (Air): numerical value	93%	
Justification of RFs (Air):	For a coating film to form, the volatile phase of organic solvent borne and water borne coatings must evaporate into the atmosphere. OECD ESD		
5.3.2 Release Factor – water			
Numeric value / percent of input amount (Water): numerical value	1%		
Justification of RFs (Water):	Application equipment (brushes/rollers/containers/roller trays) can be washed in domestic sinks and washings discharged into public sewers. OECD ESD		
5.3.3 Release Factor – soil			

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	Numeric value / percent of input amount (Soil): numerical value	0.00
	Justification of RFs (Soil):	There is no deposition to soil from indoor application processes. OECD ESD
	5.3.4 Release Factor – waste	
	Percent of input amount disposed as waste: numerical range	6%
	Justification of RFs:	ESD (Fig 4.1)
	SPERC identifier:	CEPE SPERC 8c.1a.v2
	ERC:	8c
	sub-SPERC applicability:	Application - consumer - brush/roller - indoor use – non-volatiles
	5.3.1 Release Factor – air	
	Numeric value / percent of input amount (Air): numerical value	0.00
	Justification of RFs (Air):	The solid phase is not emitted to air.
	5.3.2 Release Factor – water	
	Numeric value / percent of input amount (Water): numerical value	1.5%
	Justification of RFs (Water):	Application equipment (brushes/rollers/containers/roller trays) can be washed in domestic sinks and washings discharged into public sewers. OECD ESD
	5.3.3 Release Factor – soil	
	Numeric value / percent of input amount (Soil): numerical value	0.00
	Justification of RFs (Soil):	There is no deposition to soil from indoor application processes. OECD ESD
	5.3.4 Release Factor – waste	
	Percent of input amount disposed as waste: numerical range	25%
	Justification of RFs:	ESD (Fig 4.1)
	SPERC identifier:	CEPE SPERC 8d.1a.v2
	ERC:	8d
	sub-SPERC applicability:	Application - consumer - brush/roller - outdoor use – volatiles
	5.3.1 Release Factor – air	
	Numeric value / percent of input amount (Air): numerical value	93%
	Justification of RFs (Air):	For a coating film to form, the volatile phase of organic solvent borne and water borne coatings must evaporate into the atmosphere.
	5.3.2 Release Factor – water	
	Numeric value / percent of input amount (Water): numerical value	1%

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	Justification of RFs (Water):	Application equipment (brushes/rollers/containers/roller trays) can be washed in domestic sinks and washings discharged into public sewers. OECD ESD
	5.3.3 Release Factor – soil	
	Numeric value / percent of input amount (Soil): numerical value	0
	Justification of RFs (Soil):	During application of coatings outdoors, a proportion of the applied coating (solid phase) can be deposited on the soil below the area being painted. No OECD ESD – industry data
	5.3.4 Release Factor – waste	
	Percent of input amount disposed as waste: numerical range	6%
	Justification of RFs:	ESD (Fig 4.1)
	SPERC identifier:	CEPE SPERC 8f.1a.v2
	ERC:	8f
	sub-SPERC applicability:	Application - consumer - brush/roller - outdoor use – non-volatiles
	5.3.1 Release Factor – air	
	Numeric value / percent of input amount (Air): numerical value	0.00
	Justification of RFs (Air):	The solid phase is not emitted to air.
	5.3.2 Release Factor – water	
	Numeric value / percent of input amount (Water): numerical value	1%
	Justification of RFs (Water):	Application equipment (brushes/rollers/containers/roller trays) can be washed in domestic sinks and washings discharged into public sewers. OECD ESD
	5.3.3 Release Factor – soil	
	Numeric value / percent of input amount (Soil): numerical value	0.5%
	Justification of RFs (Soil):	During application of coatings outdoors, a proportion of the applied coating (solid phase) can be deposited on the soil below the area being painted. No OECD ESD – industry data
	5.3.4 Release Factor – waste	
	Percent of input amount disposed as waste: numerical range	25%
Justification of RFs:	ESD (Fig 4.1)	