SECTOR USE MAPS





Downstream Users of Chemicals Co-ordination group

Exposure assessment inputs

Workers



Workers: Sector-specific Worker Exposure Description (SWED)

Consumers

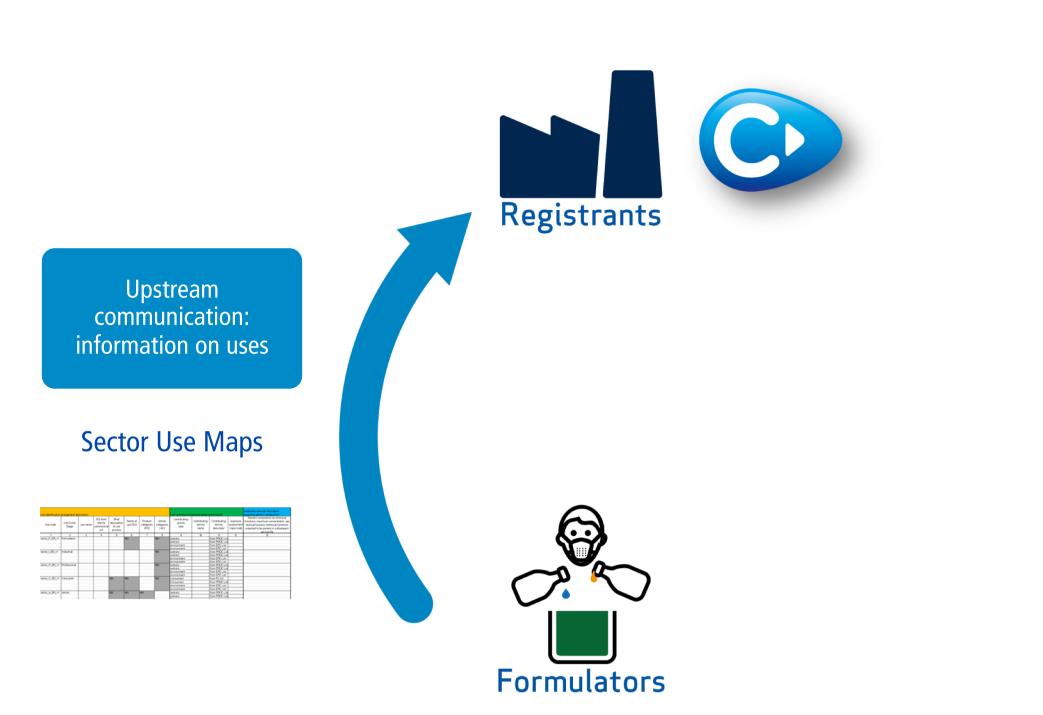
 Name of the SCI00
 TDR from each association

 F2/AC action
 F2/AC and the SCI00 of the Sci of the SCI00 of the Sci of t

International State of State o

Rationale Free text Dermal transfer factor Numerical – (defa Rationale Free text ion Specific Determinants uposure via inhalation route Choose an item.

Rationale Free text
Spray application? Choose an item.



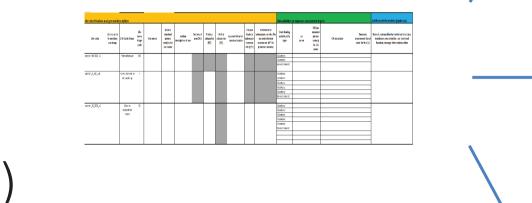
DUCC

Overview

Use Maps packages:

Use map

Use description



• use description (yellow columns)

Optional field

I information (optional)

Generic composition by technical function

ximum concentration per technical func

tonnage information; othe

• exposure assessment inputs (green columns)

Consumers: Specific Consumer Exposure Determinant (SCED)

Environment



Environment: Specific Environmental Release Category (SPERC)

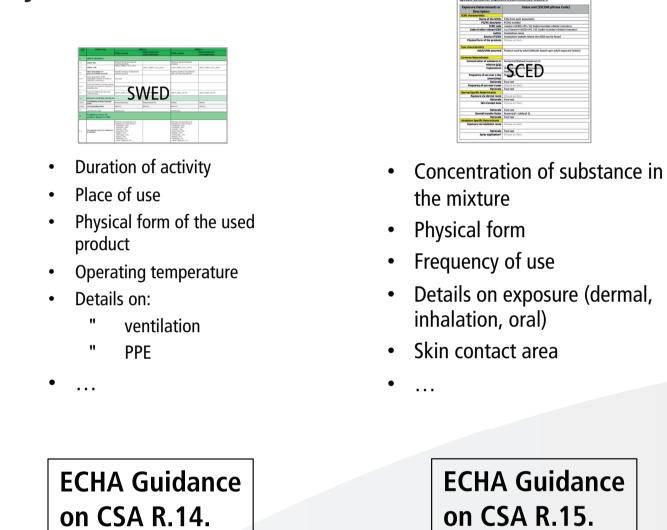
1. Use description Standard use description + codes Link to exposure info This use leads to subsequent service life service life ESCom standard Further description phrase code(s) of use for use name standard phrase Link to entry in Life Cycle previous use Life Cycle Stage Stage Sectors of Product Article Exposure ES short title for activity (CA) Use code Use name use (SU) categories categories CA descripto ssessment inp mmunication ode for this CA ctor_M_001_v1 ມulation or re-packing or_F_001_v1 r_IS_001_v1 sites

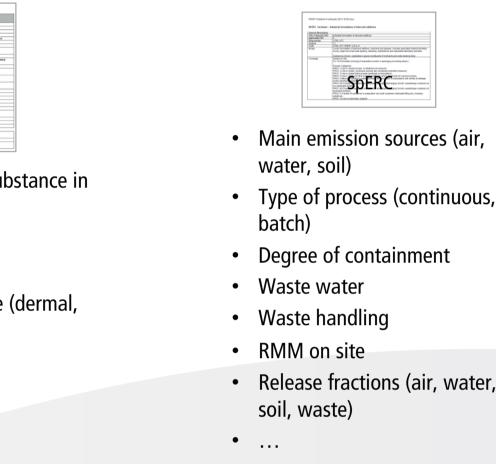
Example 1 – FEICA / Professional use

	Use identification and general description												Link activities to ex		Additional information (optional)						
Use code	Link to entry in previous use maps	Life Cycle Stage	Life Cycle Stage code	Use name	ESCom standard phrase code(s) for use name	Further description of use	Sectors of use (SU)	Product categories (PC)	Article categories (AC)	ES short title for communication	This use leads to subsequent service life (Y/N)	Reference to subsequent service life use and relevant substances (if Y in previous column)	Contributing activity (CA) type		ESCom standard phrase code(s) for CA name	Descriptor reference code	CA descriptor	Exposure assessment input code for this CA	Generic composition by technical functions; maximum concentration per technical function; tonnage information; other	Typical application examples	Typical adhesive technology
														Professional indoor handling and mixing of 2- or multi-component liquid adhesives			PROC 5	FEICA SWED PW_5_i-a			
						The adhesive is poured onto the floor and spread with a trowel, scraper or similar tool. The mixing and spreading steps must be repeated until the total surface has been completed (i.e. floor is coated). Either one person does this, or a team where one person mixes the components while someone else spreads the coating or adhesive. Both workers must wear gloves, goggles and protective clothing. They work for an 8 hour shift, and the coated area is larger than 3 m ² .							worker	Professional outdoor handing and mixing of 2- or multi- component liquid adhesives			PROC 5	FEICA SWED PW_5_o-a			
		Widespread use by professional workers professional end use												Professional large scale indoor use of adhesives, sealants or primers by low energy spreading			PROC 10	FEICA SWED PW_10_i-b			
				Professional large scale application of 2- or multi- component reactive adhesives			õ			FEICA SWED PW_10_o-b		Large area coating of floors and	Eloor coatings								
EICA_P W_003			PW					PC 1	n.a.	and sealants (PC1), large scale application of 2- or multi-component				Widespread use of volatile substances in adhesives / sealants - indoor			ERC 8a for volatile substances - indoor	FEICA SPERC 8a.3		with organic	based on epoxy, polyurethane and acrylic adhesives
										reactive adhesives				Widespread use of volatile substances in adhesives / sealants and construction chemical products - outdoor			ERC 8d for volatile substances - outdoor	FEICA / EFCC SPERC 8d.1a			
													environment	Widespread use of non-volatile substances in adhesives / sealants - indoor			ERC 8c for non- volatile substances - indoor	FEICA SPERC 8c.3			
														Widespread use of non-volatile substances in adhesives / sealants and construction chemical products - outdoor			ERC 8f for non- volatile substances - outdoor	FEICA / EFCC SPERC 8f.1a			

2. Exposure assessment inputs

Provide the details of use (operational conditions and risk management measures) to be considered by the registrant when preparing an exposure assessment for that contributing activity





ECHA Guidance
on CSA R.16.
. athara

Example 3 – A.I.S.E. / consumer use

Use identification and general description												Link activities to exposure assessment inputs					
se code		Life Cycle Stage code	Use name	ESCom standard phrase Further description of code(s) for use name	Rigorously contained?	Sectors of use (SU)	Product Article categories (PC) categories (AC)	ES short title for communication	service life substance	ient service life	Contributing activity (CA) type	CA name	ESCom standard phrase code(s) for CA name	CA descriptor	Exposure assessment input code for this CA	Generic composition by technical functions; maximun concentration per technical function; tonnage informatio other	
ISE_C_002_v	1 Consumer	С	Consumer uses; washing and		no			Consumer use; Washing and	no	n/a		Consumer uses; Laundry					
	use		cleaning products					Cleaning Products			Consumers	products		PC 35	AISE_SCED_PC35_1_a_1	_	
												Consumer uses; Fabric		0.0.05			
											Consumers	conditioners		PC 35	AISE_SCED_PC35_2_a_1	-	
											Consumers	Consumer uses; Surface cleaners; Non-spray application		PC 35	AISE SCED PC35 3 a 1		
											consumers	Consumer uses; Liquid surface		FC 33	AISL_SCED_FCSS_S_a_1	7	
											Consumers	cleaner; Spray application		PC 35	AISE_SCED_PC35_3_b_1		
											consumers	Consumer uses; Machine		1035	ABE_SCED_1 COS_5_5_5_1	-	
											Consumers	dishwashing products		PC 35	AISE SCED PC35 4 a 1		
												Consumer uses; Hand					
											Consumers	dishwashing products		PC 35	AISE_SCED_PC35_5_a_1		
												Wide dispersive use; 'Down the					
												Drain' cleaning and					
											Environment	maintenance products		ERC 8a	AISE 8a.1a.v2		
												Wide dispersive use; Air care					
											Environment	products; Non-Propellants		ERC 8a	AISE 8a.1b.v2		
												Wide dispersive use; Air care					
											Environment	products; Propellants		ERC 8a	AISE 8a.1c.v2		

	+ others			
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+ others

+ others

Example 2 – EFCC / Industrial use

											Link activitie	s to exposure assessme	nt inputs			Additional informatio		
Use code	Link to entry in previous use maps	Life Cycle Stage	Life Cycle Stage code	Use name	ESCom standard phrase code(s) for use name	Further description of use	Sectors of use (SU)	Product categories (PC)	Article categories (AC)	ES short title for communication	This use leads to subseque nt service life (Y/N)	substances (if Y in	Contributing activity (CA) type	CA name	ESCom standard phrase code(s) for CA name	CA descriptor	Exposure assessment input code for this CA	Generic composition l functions; maximum con technical function; tonna other
													Workers	mixing, outdoor, liquid, level I		PROC5 - Mixing or blending in batch processes	EFCC_SWED _PW_li-5-o-I_v2	Examples for possible p could be assigned t
													Workers	mixing, outdoor, liquid, level II		PROC5 - Mixing or blending in batch processes	EFCC_SWED _PW_li-5-o-II_v2	Joint sealants, Concrete re protection coatings, reinforcement and meta stain,floor coatings, fill mortars
													Workers	mixing, outdoor, powder, level l		PROC5 - Mixing or blending in batch processes	EFCC_SWED _PW_p-5-o-l_v2	<u>Additional instru</u> Depending on the physic substance the relevant activity - CA (SWED) for li
						All activities taken place outdoors. Small-scale uses with consumtions < 3 m ² /h. The liquid component (water or mixing liquid) is poured into a							Workers	mixing, outdoor, powder, level II		PROC5 - Mixing or blending in batch processes	EFCC_SWED _PW_p-5-o-II_v2	material shall be selected of a powder dispersed in li considered as well. For powder form both SWEDs
						mixing vessel and the powder product (if relevant) is added. For multi component systems, the liquid components are		PC 1 or		Use by			Workers	Transfer of mixtures at non- dedicated facilities, outdoor, liquid, level I		PROC8a - Transfer of substance or mixture (charging and discharging) at non-dedicated facilities	EFCC_SWED _PW_li-8a-o-I_v2	powders) should be o Generally all "levels (I, II a be assessed and communi related maximum safe c
		Widespread use by		small-scale use of construction chemical products by		poured or scraped into the mixing pail and mixed by means of a suitable tool driven by a low- speed drill (max 300 rpm) for approx. 3 minutes or until		9a or 9b or 32 or		professional worker, Buidling and construction work (SU 19),			Workers	Transfer of mixtures at non- dedicated facilities, outdoor, liquid, level II		PROC8a - Transfer of substance or mixture (charging and discharging) at non-dedicated facilities	EFCC_SWED _PW_li-8a-o-II_v2	Depending on the hazard substance those "levels" for which safe use cann
EFCC_PW_S-10-o_v2		professional workers	#REF!	roller or brushing application, outdoor		homogeneous before the powder component (if relevant) is added. The components are mixed by means of a suitable	SU 19	UCN K35100 Cement/concrete/ mortar – Chemicals and products like		Roller application or brushing (PROC 10),			Workers	Transfer of mixtures at non- dedicated facilities, outdoor, powder, level I		PROC8a - Transfer of substance or mixture (charging and discharging) at non-dedicated facilities	EFCC_SWED _PW_p-8a-o-l_v2	The SWEDs are primarily used with tier 1 models (e or Chesar) and the releva are described in section 2 More detailed conditio
						tool driven by a low-speed drill (max 300 rpm) for approx. 3 minutes or until homogeneous. Typical quantity per transfer activity: 10-50 kg.		wall construction materials		small-scale use, outdoor			Workers	Transfer of mixtures at non- dedicated facilities, outdoor, powder, level II	-	PROC8a - Transfer of substance or mixture (charging and discharging) at non-dedicated facilities	EFCC_SWED _PW_p-8a-o-II_v2	provided in section 3 fo models (e.g. ART) in c assessment is required du profile of the substance. V model requires input th
						The mixed products are spread out on the surface via rolling, brushing, or troweling. Relevant surfaces are floors and walls.							Workers	small-scale use, roller or brushing application, outdoor, liquid, level I		PROC10 - Roller application or brushing	EFCC_SWED _PW_S-li-10-o-l_v2	derived from the SWED assumption (or default if made.
													Workers	small-scale use, roller or brushing application, outdoor, liquid, level II		PROC10 - Roller application or brushing	EFCC_SWED _PW_S-li-10-o-II_v2	Depending on the vola substance the relevant activity CA (SpERC) for vo volatile material shall
													Environment	Widespread use of volatile substances in adhesive/sealants and construction chemical		ERC8d - Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)	FEICA / EFCC SPERC 8d.1a.v2	Whether "subsequent s relevant depends on subst Therefore the individual uses the UseMap has to d
													Environment	products - outdoor Widespread use of non- volatile substances in adhesives/sealants and construction chemical		ERC8f - Widespread use leading to inclusion into/onto article (outdoor)	FEICA / EFCC SPERC 8f.1a.v2	the relevant substance "subsequent service life

Benefits of the Use Maps

Tips on Use Maps

- Harmonisation
- Realism
- Representativeness
- Quality
- Efficiency
- Automation
- Others?

Where to find the Use Maps

Use Maps and related exposure assessment inputs are available in Excel and Chesar files on the ECHA website / Use Maps library: <u>https://echa.europa.eu/csr-es-roadmap/</u> <u>use-maps/use-maps-library</u>

- Can be automatically imported into Chesar
- Can be used internally by formulating companies to map their uses
- Can be developed by any downstream sector organisation free templates available

DUCC members who have Use Maps packages

