

SCEDs in Chesar

ENES 5

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Hélène Magaud Computational Assessment Unit European Chemicals Agency

SCEDs in Chesar: main principles

- Chesar 2.3 aims at supporting registrants to use SCEDs information for the assessment of consumer uses, based on exposure estimates generated by ECETOC TRA v3.1
- For that purpose, Chesar enables industry associations developing SCEDs to generate them in an XML format that can be read by Chesar (for the registrant's safety assessment)

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SCEDs in Chesar: main principles

Basic principles, when a SCED is used for the exposure assessment based on ECETOC TRA v3.1

- the input parameters for exposure estimation are automatically fed in from the SCED (in addition to the substance properties which are relevant)
- The explanations (rational) related to the various parameters are automatically conveyed to the ES to support the reader of the CSR in understanding the assessment
- The parameters relevant for the producer of the consumer product are automatically conveyed to the ES for the SDS in the form of an ESCom standard phrase

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EUI		CY					
Select appropriate SCED							
•	 Default selection: SCEDs available in the library identified with the PC code of the contributing scenario 						
Create T	RA Consumers v3.1 assess	nent				•	
	Select SCED						
ł	SCED search						
n	Keywords	Search	Advanced Search			View	
Exposur	1-1 of 1 🕑 🖲	Ð					
	Code	Name	Scope	PC/AC	Author		
0	FEICA_SCED_1_1_a_ v1	Universal Glues Hobby Use	The present SCED provides a set of determinants	PC-1: Adhesives, Sealants	testing		
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Assessment name:	TRA Con:	sumer v3.1		
Sced code: FEICA_SC Sced name: Universal		CED_1_1_a_v1		
		Glues Hobby Use		
Information on calculatio	n	-		
		Exposure	RCR	
Inhalation, systemic,	long-term	13.24 mg/m ^s	2.177	
×				*
Inhalation, systemic,	acute	45 mg/m ^s		
0				^
Inhalation local lor	a.term	13 24 mg/m ⁸		
0	gionn	i o a i nigiti		2
Inhalation local an	uto	AE malm ⁸		(*)
e	ute	45 mg/m		*
			Terrer	*
Vermal, systemic, lo	ng-term	0.25 mg/kg bw/day	0.071	
				*
Dermal, systemic, ad	cute	0.25 mg/kg bw/day		
				\$
Oral, systemic, long-	term	0 mg/kg bw/day	0	
×	19110000			*

 Conditions of Use 							
C-1 Product (article) characteristics							
Concentration of substance in mixture	= 0.5 g/g						
Exposure via Oral route	Oral exposure is considered to be not relevant	2					
Spray	No	2					
C-2 Amount used, frequency and duration of use/exp	posure						
Frequency of use over a year	Frequent	2					
Frequency of use over a day	= 1 events/day						
Amount of product used per application	= 9 g/event	2					
Exposure time	= 4 hr						
C-3 Measures related to information and behavioura and hygiene	I advice to consumers including personal protection						
Adult/Child assumed	Adult						
Place of use	Indoor	2					
C-4 Other conditions affecting consumers exposure							
Inhalation factor	= 1						
Body parts potentially exposed	Two fingertips						
Dermal transfer factor	= 0.1	2					
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	entration Tre Can be	of substanc adapted to	e in the case					
Edit Concentratio	n of substance in mixture							
Description of (Description of determinant Fraction of substance (>0 to 1) in the product.							
Effective routes	Oral, Dermal, Inhalation							
Value	= 0.05	g/g (min: 0; max: 1)						
	Substance used as	additive in glue						
Explanation for C	SR							
	3966 characters remaini	ing.						
Internal note								

Conditions of Use		
C-1 Product (article) characteristics		
Concentration of substance in mixture	= 0.5 g/g	
Exposure via Oral route	Oral exposure is considered to be not releva	nt 📝
Spray	No	
C-2 Amount used, frequency and duration of	use/exposure	
Frequency of use over a year	Frequent	2
Frequency of use over a day	= 1 events/day	
Amount of product used per application	= 9 g/event	
Exposure time	= 4 hr	
C-3 Measures related to information and beh and hygiene	avioural advice to consumers including personal	I protection
Adult/Child assumed	Adult	
Place of use	Indoor	2
C-4 Other conditions affecting consumers ex	posure	
Inhalation factor	= 1	
Body parts potentially exposed	Two fingertips	
Dermal transfer factor	= 0.1	2
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Edit Amount of pr	oduct used per application
Description of d	eterminant
Tra Consumer	Determinant
Effective routes Value	Inhalation = 9 g/event Cannot be modified
Explanation for CS	RIVM report 320104007 - Do-It-Yourself Products Fact Sheet p. 35 - 37; W. ter Burg, H.J. Bremmer, J.G.M van Engelen) From SCED: - Explanation - Source of information
Internal note	
ок	Cancel

	9.1.2. Consumer contributing scenario 1: Universal Glues Hobby Use (P	C 1)
FCHA	9.1.2.1. Conditions of use	
EUROPEAN CHEMICALS AGENCY	ECETOC TRA Consumer V. 3.1:Sced used: FEICA_SCED_1_1_a_v1 Universal Glues Ho	bby Use
		Method
	Product (article) characteristics	
	• Concentration of substance in mixture: = 0.05 g/g Additive in the glue	SCED based
	Exposure via Oral route: Oral exposure is considered to be not relevant Post-market surveillance	SCED based
	• Spray: No	SCED based
	Amount used, frequency and duration of use/exposure	
Conditions	Frequency of use over a year: Frequent RIVM report 320104007: 0.15 /day (Do-It-Yourself Products Fact Sheet p. 35 - 37; W. ter Burg, H.J. Bremmer, J.G. Alvan Engelen)	SCED based
or use in the	• Frequency of use over a day: = 1 events/day Market surveillance data	SCED based
CSR	 Amount of product used per application: =9 g/event RIVM report 320104007 - Do-It-Yourself Products Fact Sheet p. 35 - 37; W. ter Burg, H.J. Bremmer, J.G.Mvan Engelen) 	SCED based
	Exposure time: = 4 hr RIVM report 320104007 (Do-It-Yourself Products Fact Sheet p. 35 - 37; W. ter Burg, H.J. Bremmer, J.G.Mvan Engelen)	SCED based
	Measures related to information and behavioural advice to consumers including person hygiene	onal protection and
	Adult/Child assumed: Adult	SCED based
	• Place of use: Indoor	SCED based
	Other conditions affecting consumers exposure	
	 Inhalation factor: = 1 	SCED based
	Body parts potentially exposed: Two fingertips	SCED based
	Dermal transfer factor: = 0.1 Substances included into or onto a hardened adhestve matrix cannot easily penetrate through the surface layer anymore to get in contact with the skin. Following the Stokes-Einstein equation diffusion of molecules in liquids is controlled by temperature and viscosity. The latter is a djunction of the molecular weight of the matrix (ca. 10000 ginol in the beginning of the hardening process). During the curing process, that typically takes	SCED based

	9.1.2. Consumer contributing scenario 1: Universal Glues Hobby	Use (PC 1)
VECHV	9.1.2.1. Conditions of use	
EUROPEAN CHEMICALS AGENCY	ECETOC TRA Consumer V. 3.1:Sced used: FEICA_SCED_1_1_a_v1 Universal	Glues Hobby Use
		Method
	Product (article) characteristics	
	• Concentration of substance in mixture: = 0.05 g/g Additive in the glue	SCED based
	Exposure via Oral route: Oral exposure is considered to be not relevant Post-market surveillance	SCED based
	• Spray: No	SCED based
Conditions	Amount used, frequency and duration of use/exposure	
Conditions	Frequency of use over a year: Frequent	SCED based
	A 10 A 10 A 10	
Substances included into penetrate through the su Following the Stokes-Ei, controlled by temperatu, weight of the matrix (ca. During the curing proce mean free length of path weight of the matrix incr account that in addition	o or onto a hardened adhesive matrix canno or face layer anymore to get in contact with the nstein equation diffusion of molecules in liqu re-and viscosity. The latter is a function of the lood g/mol in the beginning of the harden ass, that typically takes place within a few mit of or molecules decreases while the medium re reases. A value of 10% is conservative and to any few chemicals have shin newstration ro	teasily he-skin uids is- ne-molecular- ting process) nutes,-the- molecular- akes-not into- tes-2-5% p
account mar maaanion	onsyjen enemicais nave skin penetration ra	100 - 070.0
	Through the surface layer anymore to get in contact with the skin. Following the Stokes-Einstein equation diffusion of molecules in liquids is controlled by temper viscosity. The latter is a function of the molecular weight of the matrix (ca. 1000 the beginning of the hardening process). During the curing process, that typically and the surface of the surface	ature and 9 g/mol in v takes



	1. ES 1: Consumer use; Adhesives, seala	ants (PC 1)				
	1.1. Title section					
	Environment					
	CS 1: (Contributing scenario name)	ERC 8c				
FS for	Consumer					
	CS 2: Universal Glues Hobby Use	PC 1				
commu-	1.2. Conditions of use affecting exposure					
nication	1.2.1. Control of environmental exposure: (Contributing s	cenario name) (ERC 8c)				
	1.2.2. Control of consumer exposure: Universal Glues Hol	oby Use (PC 1)				
	Product (article) characteristics					
	Limit the substance content in the product to 0.05 g/g					
	Oral exposure is considered to be not relevant.					
	No spraying					
	Amount used, frequency and duration of use/exposure					
	Covers use up to 1.0 events/day					
	Covers use up to 9.0 g/event					
	Measures related to information and behavioural advice to consumer hygiene	rs including personal protection and				
	Covers adult use					
	Other conditions affecting consumers exposure					
	Assumes that potential dermal contact is limited to two fingertips					
C chesar	1.3. Exposure estimation and reference to its sou 1.3.1. Environmental release and exposure:Contributing s	urce cenario name				







-inalised:				Select standard phrase
Obsolete:				from ESCom
Name of the SCED:	-			<u></u>
Scope of the SCED:				
Applicability of the SCED:	1			
PC/AC:	[select]			
SCED Code:				20 🔰
Source of the SCED:	1			
Source of the SCED:	[select]			
Source of the SCED: Form of the product: Adult/Child assumed:	[select]			
Source of the SCED: Form of the product: Adult/Child assumed: 20de of related SCEDs	[select] Child			
Source of the SCED: Form of the product: Adult/Child assumed: Code of related SCEDs	[select] Child Child	Inhalation parameters	Oral parameters	Administrative information
Source of the SCED: Form of the product: Adult/Child assumed: Code of related SCEDs Common parameters Concentration of substa	[select] Child Dermal parameters ince in	Inhalation parameters Rationale:	Oral parameters	Administrative information
Source of the SCED; Form of the product: Adult/Child assumed: Code of related SCEDs Common parameters Concentration of substa mixture (g/g):	[select] Child S Dermal parameters ince in	Inhalation parameters Rationale:	Oral parameters	Administrative information
Source of the SCED: Form of the product: Adult/Child assumed: Code of related SCEDs Common parameters Concentration of substa mixture (g/g): Frequency of use over a	[select] Child Dermal parameters Ince in a year: Frequent	Inhalation parameters Rationale: Rationale:	Oral parameters	Administrative information
Source of the SCED: Form of the product: Adult/Child assumed: Dode of related SCEDs Common parameters Concentration of substa mixture (g/g): Frequency of use over a Frequency of use over a	[select] Child S Dermal parameters ance in a year: Frequent a day	Inhalation parameters Rationale: Rationale: Rationale:	Oral parameters	Administrative information

	HA			
Common parameters	Dermal parameters	Inhalation parameters	Oral parameters	Administrative information
Exposure via inhalation route:	Yes	•		
Rationale for no exposure via inhalation route:				A. T
Amount of product used per application (g/event):	r	Rationale:		۸ ۳
Exposure time (hr):		Rationale:		A
Inhalation factor:		Rationale:		A 7
Spray application:	Yes 💌	Place of use:	Indoor 💌	
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ECHA EUROPEAN CHEMICALS AGENCY Create and export the file in XML								
▼ SCEDs								
Create Edit	Delete C	opy Import Export Creat	e SCED report					
	Se	arch Advanced Search						
🖲 🔍 1 - 1 of	1 🕨 🕅							
Code		Name	Scope	PC/AC	Author			
FEICA_SCED_	1_1_a_v1	Universal Glues Hobby Use	The present SCED provides a set of determinants	PC-1: Adhesives, Sealants	testing			
 The "cre It is web 	content ate SCE foresee psite. Lir	t of the SCED info ED report" (genera n that industry as ik also made from	rmation reported ates document wi sociation provide Chesar website	in Chesar can be s th SCED factsheet the Chesar file on t	een by format) their			
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