





EGRET CSA Block Tool Instructions

This Microsoft Excel spreadsheet tool can be used to generate CSA Block Files for CHESAR 3.1 from exposure assessments conducted using EGRET v2 (see the flow chart below).



Before running the EGRET CSA Block Tool please download the EGRET v2 Generic Exposure Scenarios (GES) templates available at the following link:

http://www.esig.org/regulatory/reach-ges/consumers/.

The EGRET CSA Block Tool.xlsm and the CSABlock_EGRET.chr3 files must be copied into the same folder as the EGRET v2 GES template spreadsheets.

All of the EGRET GES spreadsheets include macros. You will need to adjust your Excel security settings to trust all of these spreadsheets in order for the macros to be enabled. This may require that you open each spreadsheet and select 'enable macros' or 'trust this spreadsheet'.

To generate CSA block files for CHESAR, you must first import the substance information from a CHESAR substance export file, including the molecular weight, vapor pressure, density, and DNELs, into the substance information table in the CSA block tool (**Steps 1-4 in section A**). Once the substance information is entered, you can set the Target RCR (**Step 5 in section A**), then select the relevant EGRET GES workbook(s) under the Uses table in the tool (**Step 1 in section B**). Click the create CSA Block Files button and a CSA Block file will be created for each GES selected (**Step 2 in section B**). The new files will

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be created in the same folder as the EGRET v2 GES template spreadsheets, which can be imported into CHESAR as external exposure assessments (**Steps 1-5 in section C**).

A. How to import substance parameters from CHESAR

1. Export Substance CSA file from CHESAR

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ult CSA		15-01-2013	,
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2. Click Import Substance Parameters from Substance XML button in the EGRET CSA XML TOOL spreadsheet

FILE	HOME INSERT PA	AGE LAYOUT	FORMULAS	DATA I	REVIEW	VIEW	DEVELOPER	ANALYSIS	Baron
A1	• : X 4	f _x							
	Substance Informati	on							
	Property			Value	2			Import Subst	anco
	Name							Parameters	from
	Molecular Weight (g	/mole)						Substance >	KML
	Vapour Pressure (Pa)							η
	Density (g/mL)								
	Inhalation, systemic	, long term	DENL (mg/m3	3)					
	Inhalation, systemic	, short term	n DNEL (mg/m	3)				Target RCR	0.9
Inhalation, local, long term DNEL (mg/m3)									
	Inhalation, local, sho	ort term DN	EL (mg/m3)						
	Dermal, systemic, lo	ng term DN	IEL (mg/kg/da	y)					
	Dermal, systemic, sh	ort term DI	NEL (mg/kg/d	ay)					
	Dermal, local, long to	erm DNEL (mg/cm2)						
	Dermal, local, short f	term DNEL	(mg/cm2)						
	Oral DNEL (mg/kg/da	ay)							
	Eye DNEL								
	Uses								
	GES			▼ Y/N		-			
	Agrochemical			n				Create CSABI	ock
	Cleaning			n				Files	
	Coating			n					
	Deicing n								
	Fuels		n						
Functional Fluids				n					
	Lubricants			n					
	Water Treatment Ch	emicals		n					
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3. Select downloaded XML file

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Cibraries		UseConditionTemplates_20160926_14430	9/26/2016 2:43 PM	CHR3 File	2 KB				
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4. The substance information table will show the information extracted from the CHESAR substance file.

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FILE	HOME INSERT PAGE LAYOUT FORMULAS DA	ATA REVIEW	VIEW	DEVELOPER	ANALYSIS Ba	irone, N	··· *
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L	Substance Information						
	Property	Value			land at Calendary		
	Name	cyclohexane			Import Substance		
	Molecular Weight (g/mole)		84.1595		Substance XIV	IL I	
	Vapour Pressure (Pa)		12400			-	
	Density (g/mL)		0.7739				
	Inhalation, systemic, long term DENL (mg/m3)		206				
	Inhalation, systemic, short term DNEL (mg/m3)		412		Target RCR	0.9	
	Inhalation, local, long term DNEL (mg/m3)		206				
	Inhalation, local, short term DNEL (mg/m3)		412				
	Dermal, systemic, long term DNEL (mg/kg/day)		1186		<u>л</u>		
	Dermal, systemic, short term DNEL (mg/kg/day)	None			ι, J		
	Dermal, local, long term DNEL (mg/cm2)	None					
	Dermal, local, short term DNEL (mg/cm2)	Qualitative					
	Oral DNEL (mg/kg/day)		59.4				
	Eye DNEL	None					
	Uses						
	GES	Y/N	*				
	Agrochemical	n			Create CSABloc	k	
	Cleaning	n			Files		
	Coating	n					
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	Fuels	n					
	Functional Fluids	n					
	Lubricants	n					
	Water Treatment Chemicals	n					
	Form (+)	:	4				∟⊻ ⊧
READY		F	# A	JET		+ 100	1%

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Tool instructions

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5. Select the Target RCR from the pick list.

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F9	- : X	1 fr 0.9							~
		JA 015							_
									4
	Substance Inform	nation							
	Property		Value			Import Sub	stance		
	Name		cyclohexane			Parameter	s from		
	Molecular Weigh	t (g/mole)		84.1595		Substance	XML		
	Vapour Pressure	(Pa)		12400					
	Density (g/mL)			0.7739					
	Inhalation, system	mic, long term DENL (mg/m3)		206				_	
	Inhalation, system	mic, short term DNEL (mg/m3)		412		Target RCR	0.9	-	
	Inhalation, local,	long term DNEL (mg/m3)		206			0.9		
	Inhalation, local,	short term DNEL (mg/m3)		412			0.2	20	
	Dermal, systemic	, long term DNEL (mg/kg/day)		1186					
	Dermal, systemic	, short term DNEL (mg/kg/day)	None						
	Dermal, local, lor	ng term DNEL (mg/cm2)	None						
	Dermal, local, she	ort term DNEL (mg/cm2)	Qualitative						
	Oral DNEL (mg/kg	ʒ/day)		59.4					
	Eye DNEL		None						
	Uses								
	GES		Y/N	-					
	Agrochemical		n			Create CSA	Block		
	Cleaning		n			Files			
	Coating		n		_			l	
	Deicing		n						
	Fuels		n						
	Functional Fluids		n						
	Lubricants	n							
	Water Treatment	Chemicals	n						
									-
	Form	(+)		4				Þ	
READY	1			H B	m		+	100%	

B. How to create CSA Block Files

- 1. Select GES uses by changing 'n' to 'y' in the Uses table, then click the "Create CSABlock Files"
 - button.



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2. Message will appear when file creation is completed



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C. How to Import CSA Block files into CHESAR

- 1. Select Uses (Box 2) from the CHESAR toolbar
- 2. Right click on first use in the life cycle tree, then click import CSA Block.

Chesar Selected substance: cyclohexane (LOA) Selected substance: cyclohexane (LOA) Selected cSA: Default CSA Selected ree							
	*		nufachura (Immark	Edit use: Manufac	ture / Import 👩		
	manur.i	Add	ufacture	Tonnage imported (tonnes/year):	0		
⊞	×	Delete	diate use of the substa tion				
Ð	42	Сору	ation	Tonnage directly exported 0 (tonnes/year): Tonnage used as intermediate 0	0		
⊞ ⊞	16	Paste	atings		0		
æ	* *	Move up	ents	conditions (tonnes/year):	4420000		
⊞	*	Import CSA block	lers and release agents	Tonnage manufactured (tonnes/year):	1130000		
	£	Export CSA block	oduction	Tonnage assessed (tonnes/year):	1130000		
Site (7900 t) : Polymer Processing			rocessing	Explanation for CSR section 9.0.1 (overview on uses):	B I <u>U</u> ≔ ≒		
⊞	Site	(286 t) : Use as labo (10 t) : Use in rubbe	ratory reagents r production and proces	, or or 1000 pr			

3. Click import button on Import CSA Block pop-up window.

Edit use: <i>Manufa</i>	acture / Import 🧑	
Tonnage imported (tonnes/yea	Import CSA Block	
Tonnage directly export (tonnes/yea	Please select a file to import.	
Tonnage used as intermedia under strictly controlli conditions (tonnes/yea	Limport × Close	
Tonnage manufactured (tonnes/year):	1 110000 1	
Tonnage assessed (tonnes/year):	1130000	
Explanation for CSR section 9.0.1		

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Tool instructions

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- Name
 Date modified
 ✓ Type
 ✓ Size

 Image: CSABlock_Lubricants.chr3
 11/7/2016 1:51 PM
 CHR3 File
 179 KB

 Image: CSABlock_Agrochemical.chr3
 11/7/2016 1:51 PM
 CHR3 File
 65 KB

 Search again in:
 Image: CSABlock_Structure
 Image: CSABlock_Lubricants.chr3
 Image: CSABlock_Lubricants.chr3
 Image: CSABlock_Lubricants.chr3

 Image: CSABlock_Lubricants.chr3
 Image: CSABlock_Lubricants.chr3
 Image: CSABlock_Lubricants.chr3
 Image: CSABlock_Lubricants.chr3
 Image: CSABlock_Lubricants.chr3
- 4. Select CSA Block file from folder where EGRET GES files are located.

5. New Use with PC contributing scenarios is added to the lifecycle tree. Note that the 10 tonnes/year was used as the default tonnage band. You can edit this tonnage in CHESAR if necessary.

neeeeeary							
Chesar Selected substance: cyclohexane (LOA) Selected CSA: Def	ault CSA						
😓 Import life cycle tree 🛛 😓 Export life cycle tree							
Manuf. (1130000 t) : Manufacture	Edit use: Lubrica	nts 🔞					
Site (1080000 t) : Intermediate use of the sub	; intermediate use of the sub						
Site (1130000 t) : Distribution	Show additional fields relevant for	r use description in IUCLID					
Formul. (1/14 /) : Formulation	Name:	Lubricants					
Site (/9001) : Uses in Coaungs							
Site (790 I) : Use in cleaning agents							
Site (7900 f) : Browing agents	Further description of use:						
Site (1900 i) : Use as binders and release ag							
Site (7900 t) - Ose as a fuel							
Site (7900 t) : Polymer Processing							
Site (286 t) : Lise as [aboratory reagents							
Site (10 t) : Use in rubber production and pro							
Prof. (2700 t) : Uses in Coatings							
Prof. (190 t) : Use in cleaning agents	Registration/ Notification status	use registered according to REACH Article 10: total tonnage manufactured/imported >= 10 tonnes/year per registrant					
Prof. (190 t) : Use as a fuel	for the use:						
Prof. (286 t) : Use as laboratory reagents	Tonnage (tonnes/year):	10					
Prof. (2700 l) : Polymer Processing							
Consum (190 t): Uses in Coatings	Technical function of the substance during use:						
Consum (190 t): Use in cleaning agents	Subsequent service life relevant to						
🗄 📃 Consum (190 t) : Use as a Fuel	this use:						
Consum (10 t) : Lubricants	Internal remarks						
PC 1: Adhesives, sealants: Glues, hobb	internut remarks.						
PC 1: Adhesives, sealants: Glues DIY-u							
PC 1: Adhesives, sealants: Glue from sp	Save × Cancel						
PC 1: Adhesives, sealants: Sealants							
PC 24: Lubricants, greases, and release							
PC 24: Lubricants, greases, and release							
PC 24: Lubricants, greases, and release							
PC 31: Polishes and wax blends: Polish							
PC 31: Polishes and way blends: Polish							

6. For any qualitative risks identified, users need to include the risk control statements manually in Chesar.

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