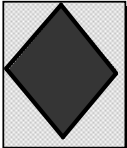




CalTOX™ 2.3 (beta): Eight-Compartment Multimedia Exposure Model

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	Inputs:	Chemical name==>	Naphtalène		Outputs:		
		Site name => Common - After - < 0.5 ans (User)			Target Soil Concentrations (in ppm)		
		Toxicity Data ==>	Cancer potencies 1/(mg/kg-d)	Non-cancer ADIs (mg/kg-d)	Based on cancer risk:		
		Inhalation	0,0E+00	0,0E+00	Root soil	0,0 E+0	not avlbl.
		Ingestion	0,0E+00	2,0E-02	Vadose soil	0,0 E+0	not avlbl.
		Dermal	0,0E+00	0,0E+00			
		Total dose	0,0E+00		Based on hazard:		
			Risk	Hazard quotient	Root Soil	1,0 E+5	
		Target Risk/Hazard =	1,0 E-05	1,00	Vadose soil	>conc limit	n/a
			current value	should be >	Root soil	1,0 E+5	>conc limit
		Root-soil thickness ==>	0,30	OK	Vadose soil	0,0 E+0	not avlbl.
		Alter root soil thickness to?	n/a				
		Distance off-site for air exposure=	0	meters			
		Time after initial concentrations when exposure begins =	365	days			
		Measured Concentrations (at time = 0)			Un-mitigated risk and/or hazard ratio		
	Root-zone soil	0,09	ppm (mg/kg)	Risk	0,0 E+0		
	Vadose-zone soil	6,95	ppm (mg/kg)	Hazard ratio	1,3 E-7		
	Ground water	0	ppm (mg/L)				
	Continuous inputs			Concentration limits without NAPL			
	Source term to air (mol/d)	0,0 E+00	Sa	Root soil	7,4 E+02	mg/kg solid	
	Source term to ground-surface soil (mol/d)	0,0 E+00	Sg	Vadose soil	8,8 E+02	mg/kg solid	
	Source term to root-zone soil (mol/d)	0,0 E+00	Ss		3,4 E+01	mg/L water	
	Source term to surface water(mol/d)	0,0 E+00	Sw	Time avrg. Conc. in on-site environmental media			
				Air	4,6 E-07	mg/m3	
				Plants	8,8 E-07	mg/kg(FM)	
				Grnd-surface soil	7,4 E-04	mg/kg(total)	
				Root-zone soil	1,8 E-02	mg/kg(total)	
				Vadose-zone soil	1,3 E+00	mg/kg(total)	
				Ground water	2,5 E-05	mg/L(water)	
				Surface water	4,5 E-05	mg/L	
				Sediment	1,6 E-03	mg/kg	

MEDIA AND CORRESPONDING POTENTIAL DOSES IN mg/kg-d (averaged over the exposure duration)

PATHWAYS	Air (gases & particles)	Surface soil	Root-zone soil	Ground water	Surface water	Totals	%
INHALATION	5,87E-08	1,77E-12	2,16E-07	0,00E+00	0,00E+00	2,75E-07	99,78
INGESTION:							
Water				0,00E+00	0,00E+00	0,00E+00	0,00
Exposed produce	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Unexposed produce			0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Meat	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Milk	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Eggs	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Fish					0,00E+00	0,00E+00	0,00
Soil		2,34E-11	5,66E-10			5,89E-10	0,21
Total ingestion	0,00 E+00	2,34 E-11	5,66 E-10	0,00 E+00	0,00 E+00	5,89 E-10	0,21
DERMAL UPTAKE		3,99E-13	9,66E-12	0,00E+00	0,00E+00	1,01 E-11	0,00
Dose SUM	5,87E-08	2,56E-11	2,17E-07	0,00E+00	0,00E+00	2,76E-07	100,0

Breast milk concentration	Air (gases & particles)	Surface soil	Root-zone soil	Ground water	Surface water	total
	1,65 E-09	7,20 E-13	6,10 E-09	0,00 E+00	0,00 E+00	7,76 E-09
Infant dose	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	dose_bm 0,00 E+00

Ingestion dose used =>	5,89 E-10
Total dose used =>	2,76 E-07

ENVIRONMENTAL Media CONCENTRATIONS	Air (gases) mg/m^3	Air (dust) mg/m^3	Ground soil mg/kg	Root soil mg/kg	Ground water mg/L	Surface water mg/L
	4,64 E-07	3,29 E-13	8,00 E-04	1,94 E-02	2,45 E-05	4,48 E-05

EXPOSURE MEDIA CONCENTRATIONS (averaged over the exposure duration)

EXPOSURE	Air (gases)	Air (dust)	Ground soil	Root soil	Ground water	Surface water
Indoor air (mg/m ³)	4,64 E-07	1,93 E-13	1,41 E-11	1,72 E-06	0,00 E+00	0,00 E+00
Bathroom air (mg/m ³)					0,00 E+00	0,00 E+00
Outdoor air (mg/m ³)	4,64 E-07	3,29 E-13				
Tap water (mg/L)					0,00 E+00	0,00 E+00
Exposed produce (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Unexposed produce (mg/kg)				0,00 E+00	0,00 E+00	0,00 E+00
Meat (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Milk (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Eggs (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Fish and seafood (mg/kg)						4,63 E-03
Household soil (mg/kg)			4,00 E-04	9,68 E-03		
Swimming water (mg/L)						4,48 E-05

PATHWAY CONTACT FACTORS (CR/BW*FI)

EXPOSURE Media	Units	Inhalation	Ingestion	Dermal
Indoor air (active)		9,64 E-02		
Indoor air (resting)		2,97 E-02		
Indoor air (shower/bath)		0,00 E+00		
Outdoor air (active)		5,63 E-04		
Tap water			0,00 E+00	0,00 E+00
Exposed produce			0,00 E+00	
Unexposed produce			0,00 E+00	
Meat			0,00 E+00	
Milk			0,00 E+00	
Eggs			0,00 E+00	
Fish and seafood			0,00 E+00	
Household soil			5,85 E-08	9,98 E-10
Swimming wtr			0,00 E+00	0,00 E+00

Dose ratios	inh-dose/Ns	ing-dose/Ns	drml-dose/Ns	inh-dose/Nq	ing-dose/Nq	drml-dose/Nq
	9,7 E-08	2,1 E-10	3,6 E-12	0,0 E+00	0,0 E+00	0,0 E+00

Time (y)	Total inhalation dose	Total ingestion dose	Total dermal dose	Total dose	Total dose from root soil	Total dose from ground water
1	1,2 E-06	2,5 E-09	4,4 E-11	1,2 E-06	1,2 E-06	0,0 E+00
4	7,7 E-07	1,7 E-09	2,8 E-11	7,7 E-07	7,7 E-07	0,0 E+00
7	5,0 E-07	1,1 E-09	1,8 E-11	5,0 E-07	5,0 E-07	0,0 E+00
10	3,2 E-07	6,9 E-10	1,2 E-11	3,2 E-07	3,2 E-07	0,0 E+00
13	2,1 E-07	4,5 E-10	7,7 E-12	2,1 E-07	2,1 E-07	0,0 E+00
16	1,4 E-07	2,9 E-10	5,0 E-12	1,4 E-07	1,4 E-07	0,0 E+00
19	8,8 E-08	1,9 E-10	3,2 E-12	8,8 E-08	8,8 E-08	0,0 E+00
22	5,7 E-08	1,2 E-10	2,1 E-12	5,7 E-08	5,7 E-08	0,0 E+00
25	3,7 E-08	7,9 E-11	1,4 E-12	3,7 E-08	3,7 E-08	0,0 E+00
28	2,4 E-08	5,1 E-11	8,8 E-13	2,4 E-08	2,4 E-08	0,0 E+00
31	1,6 E-08	3,3 E-11	5,7 E-13	1,6 E-08	1,6 E-08	0,0 E+00
Cumulative doses				0,003016952		
over ED by route, mg/kg	3,0 E-03	6,5 E-06	1,1 E-07	3,0 E-03	3,0 E-03	0,0 E+00
fraction	0,9978	0,0021	0,0000	1,0000	1,000	0,000
Average doses						
over ED by route, mg/kg-d	2,7 E-07	5,9 E-10	1,0 E-11	2,8 E-07	2,8 E-07	0,0 E+00
Maximum doses						
over ED by route, mg/kg-d	1,2 E-06	2,5 E-09	4,4 E-11	1,2 E-06	1,2 E-06	0,0 E+00
fraction	0,9978	0,0021	0,0000	1,0000	1,000	0,000

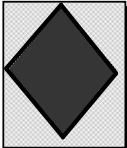
Max breast-milk dose 0,0 E+00 mg/kg-d

Max_ing	2,5 E-09
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CalTOX™ 2.3 (beta): Eight-Compartment Multimedia Exposure Model

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	Inputs:	Chemical name==>	Naphtalène		Outputs:		
		Site name => Common - After - 0.5-4 ans (User)			Target Soil Concentrations (in ppm)		
		Toxicity Data ==>	Cancer potencies 1/(mg/kg-d)	Non-cancer ADIs (mg/kg-d)	Based on cancer risk:		
		Inhalation	0,0E+00	0,0E+00	Root soil	0,0 E+0	not avlbl.
		Ingestion	0,0E+00	2,0E-02	Vadose soil	0,0 E+0	not avlbl.
		Dermal	0,0E+00	0,0E+00			
		Total dose	0,0E+00		Based on hazard:		
			Risk	Hazard quotient	Root Soil	1,0 E+5	
		Target Risk/Hazard =	1,0 E-05	1,00	Vadose soil	>conc limit	n/a
			current value	should be >	Root soil	1,0 E+5	>conc limit
		Root-soil thickness ==>	0,30	OK	Vadose soil	0,0 E+0	not avlbl.
		Alter root soil thickness to?	n/a				
		Distance off-site for air exposure=	0	meters			
		Time after initial concentrations when exposure begins =	365	days			
		Measured Concentrations (at time = 0)			Un-mitigated risk and/or hazard ratio		
	Root-zone soil	0,09	ppm (mg/kg)	Risk	0,0 E+0		
	Vadose-zone soil	6,95	ppm (mg/kg)	Hazard ratio	9,1 E-8		
	Ground water	0	ppm (mg/L)				
	Continuous inputs			Concentration limits without NAPL			
	Source term to air (mol/d)	0,0 E+00	Sa	Root soil	7,4 E+02	mg/kg solid	
	Source term to ground-surface soil (mol/d)	0,0 E+00	Sg	Vadose soil	8,8 E+02	mg/kg solid	
	Source term to root-zone soil (mol/d)	0,0 E+00	Ss		3,4 E+01	mg/L water	
	Source term to surface water(mol/d)	0,0 E+00	Sw	Time avrg. Conc. in on-site environmental media			
				Air	4,6 E-07	mg/m3	
				Plants	8,8 E-07	mg/kg(FM)	
				Grnd-surface soil	7,4 E-04	mg/kg(total)	
				Root-zone soil	1,8 E-02	mg/kg(total)	
				Vadose-zone soil	1,3 E+00	mg/kg(total)	
				Ground water	2,5 E-05	mg/L(water)	
				Surface water	4,5 E-05	mg/L	
				Sediment	1,6 E-03	mg/kg	

MEDIA AND CORRESPONDING POTENTIAL DOSES IN mg/kg-d (averaged over the exposure duration)

PATHWAYS	Air (gases & particles)	Surface soil	Root-zone soil	Ground water	Surface water	Totals	%
INHALATION	1,29E-07	3,91E-12	4,77E-07	0,00E+00	0,00E+00	6,06E-07	99,93
INGESTION:							
Water				0,00E+00	0,00E+00	0,00E+00	0,00
Exposed produce	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Unexposed produce			0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Meat	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Milk	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Eggs	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Fish					0,00E+00	0,00E+00	0,00
Soil		1,66E-11	4,02E-10			4,18E-10	0,07
Total ingestion	0,00 E+00	1,66 E-11	4,02 E-10	0,00 E+00	0,00 E+00	4,18 E-10	0,07
DERMAL UPTAKE		8,47E-14	2,05E-12	0,00E+00	0,00E+00	2,13 E-12	0,00
Dose SUM	1,29E-07	2,06E-11	4,77E-07	0,00E+00	0,00E+00	6,06E-07	100,0

Breast milk concentration	Air (gases & particles)	Surface soil	Root-zone soil	Ground water	Surface water	total
	3,65 E-09	5,80 E-13	1,34 E-08	0,00 E+00	0,00 E+00	1,71 E-08
Infant dose	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	dose_bm 0,00 E+00

Ingestion dose used =>	4,18 E-10
Total dose used =>	6,06 E-07

ENVIRONMENTAL Media CONCENTRATIONS	Air (gases) mg/m^3	Air (dust) mg/m^3	Ground soil mg/kg	Root soil mg/kg	Ground water mg/L	Surface water mg/L
	4,64 E-07	3,29 E-13	8,00 E-04	1,94 E-02	2,45 E-05	4,48 E-05

EXPOSURE MEDIA CONCENTRATIONS (averaged over the exposure duration)

EXPOSURE	Air (gases)	Air (dust)	Ground soil	Root soil	Ground water	Surface water
Indoor air (mg/m ³)	4,64 E-07	1,93 E-13	1,41 E-11	1,72 E-06	0,00 E+00	0,00 E+00
Bathroom air (mg/m ³)					0,00 E+00	0,00 E+00
Outdoor air (mg/m ³)	4,64 E-07	3,29 E-13				
Tap water (mg/L)					0,00 E+00	0,00 E+00
Exposed produce (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Unexposed produce (mg/kg)				0,00 E+00	0,00 E+00	0,00 E+00
Meat (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Milk (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Eggs (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Fish and seafood (mg/kg)						4,63 E-03
Household soil (mg/kg)			4,00 E-04	9,68 E-03		
Swimming water (mg/L)						4,48 E-05

PATHWAY CONTACT FACTORS (CR/BW*FI)

EXPOSURE Media	Units	Inhalation	Ingestion	Dermal
Indoor air (active)		2,10 E-01		
Indoor air (resting)		6,75 E-02		
Indoor air (shower/bath)		0,00 E+00		
Outdoor air (active)		1,23 E-03		
Tap water			0,00 E+00	0,00 E+00
Exposed produce			0,00 E+00	
Unexposed produce			0,00 E+00	
Meat			0,00 E+00	
Milk			0,00 E+00	
Eggs			0,00 E+00	
Fish and seafood			0,00 E+00	
Household soil			4,15 E-08	2,12 E-10
Swimming wtr			0,00 E+00	0,00 E+00

Dose ratios	inh-dose/Ns	ing-dose/Ns	drml-dose/Ns	inh-dose/Nq	ing-dose/Nq	drml-dose/Nq
	2,1 E-07	1,5 E-10	7,5 E-13	0,0 E+00	0,0 E+00	0,0 E+00

Time (y)	Total inhalation dose	Total ingestion dose	Total dermal dose	Total dose	Total dose from root soil	Total dose from ground water
1	2,6 E-06	1,8 E-09	9,2 E-12	2,6 E-06	2,6 E-06	0,0 E+00
4	1,7 E-06	1,2 E-09	6,0 E-12	1,7 E-06	1,7 E-06	0,0 E+00
7	1,1 E-06	7,6 E-10	3,9 E-12	1,1 E-06	1,1 E-06	0,0 E+00
10	7,1 E-07	4,9 E-10	2,5 E-12	7,1 E-07	7,1 E-07	0,0 E+00
13	4,6 E-07	3,2 E-10	1,6 E-12	4,6 E-07	4,6 E-07	0,0 E+00
16	3,0 E-07	2,1 E-10	1,1 E-12	3,0 E-07	3,0 E-07	0,0 E+00
19	1,9 E-07	1,3 E-10	6,8 E-13	1,9 E-07	1,9 E-07	0,0 E+00
22	1,3 E-07	8,7 E-11	4,4 E-13	1,3 E-07	1,3 E-07	0,0 E+00
25	8,2 E-08	5,6 E-11	2,9 E-13	8,2 E-08	8,2 E-08	0,0 E+00
28	5,3 E-08	3,7 E-11	1,9 E-13	5,3 E-08	5,3 E-08	0,0 E+00
31	3,4 E-08	2,4 E-11	1,2 E-13	3,4 E-08	3,4 E-08	0,0 E+00
Cumulative doses				0,006640549		
over ED by route, mg/kg	6,6 E-03	4,6 E-06	2,3 E-08	6,6 E-03	6,6 E-03	0,0 E+00
fraction	0,9993	0,0007	0,0000	1,0000	1,000	0,000
Average doses						
over ED by route, mg/kg-d	6,1 E-07	4,2 E-10	2,1 E-12	6,1 E-07	6,1 E-07	0,0 E+00
Maximum doses						
over ED by route, mg/kg-d	2,6 E-06	1,8 E-09	9,2 E-12	2,6 E-06	2,6 E-06	0,0 E+00
fraction	0,9993	0,0007	0,0000	1,0000	1,000	0,000

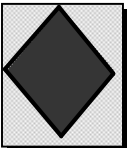
Max breast-milk dose 0,0 E+00 mg/kg-d

Max_ing	1,8 E-09
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CalTOX™ 2.3 (beta): Eight-Compartment Multimedia Exposure Model

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Inputs:		Chemical name==> Naphtalène		Outputs:	
		Site name => Common - After - 5-11 ans (User)		Target Soil Concentrations (in ppm)	
Toxicity Data ==>		Cancer potencies 1/(mg/kg-d)	Non-cancer ADIs (mg/kg-d)	Based on cancer risk:	
Inhalation	0,0E+00	0,0E+00	Root soil		0,0 E+0 not avlbl.
Ingestion	0,0E+00	2,0E-02	Vadose soil		0,0 E+0 not avlbl.
Dermal	0,0E+00	0,0E+00			Root Soil 1,0 E+5
Total dose	0,0E+00		Based on hazard:		Vadose soil n/a
	Risk	Hazard quotient	Root soil	1,0 E+5	>conc limit
Target Risk/Hazard =	1,0 E-05	1,00	Vadose soil	0,0 E+0	not avlbl.
	current value	should be >	Un-mitigated risk and/or hazard ratio		
Root-soil thickness ==>	0,30	OK	Risk	0,0 E+0	
Alter root soil thickness to?	n/a		Hazard ratio	3,2 E-8	
Distance off-site for air exposure=	0	meters	Concentration limits without NAPL		
Time after initial concentrations when exposure begins =	365	days	Root soil	7,4 E+02	mg/kg solid
Measured Concentrations (at time = 0)			Vadose soil	8,8 E+02	mg/kg solid
Root-zone soil	0,09	ppm (mg/kg)		3,4 E+01	mg/L water
Vadose-zone soil	6,95	ppm (mg/kg)	Time avrg. Conc. in on-site environmental media		
Ground water	0	ppm (mg/L)	Air	4,6 E-07	mg/m3
Continuous inputs			Plants	8,8 E-07	mg/kg(FM)
Source term to air (mol/d)	0,0 E+00	Sa	Grnd-surface soil	7,4 E-04	mg/kg(total)
Source term to ground-surface soil (mol/d)	0,0 E+00	Sg	Root-zone soil	1,8 E-02	mg/kg(total)
Source term to root-zone soil (mol/d)	0,0 E+00	Ss	Vadose-zone soil	1,3 E+00	mg/kg(total)
Source term to surface water(mol/d)	0,0 E+00	Sw	Ground water	2,5 E-05	mg/L(water)
			Surface water	4,5 E-05	mg/L
			Sediment	1,6 E-03	mg/kg

MEDIA AND CORRESPONDING POTENTIAL DOSES IN mg/kg-d (averaged over the exposure duration)

PATHWAYS	Air (gases & particles)	Surface soil	Root-zone soil	Ground water	Surface water	Totals	%
INHALATION	1,01E-07	3,05E-12	3,72E-07	0,00E+00	0,00E+00	4,73E-07	99,97
INGESTION:							
Water				0,00E+00	0,00E+00	0,00E+00	0,00
Exposed produce	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Unexposed produce			0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Meat	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Milk	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Eggs	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Fish					0,00E+00	0,00E+00	0,00
Soil		5,83E-12	1,41E-10			1,47E-10	0,03
Total ingestion	0,00 E+00	5,83 E-12	1,41 E-10	0,00 E+00	0,00 E+00	1,47 E-10	0,03
DERMAL UPTAKE		3,52E-14	8,53E-13	0,00E+00	0,00E+00	8,88 E-13	0,00
Dose SUM	1,01E-07	8,92E-12	3,72E-07	0,00E+00	0,00E+00	4,74E-07	100,0

Breast milk concentration	Air (gases & particles)	Surface soil	Root-zone soil	Ground water	Surface water	total
	2,85 E-09	2,51 E-13	1,05 E-08	0,00 E+00	0,00 E+00	1,33 E-08
Infant dose	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	dose_bm 0,00 E+00

Ingestion dose used =>	1,47 E-10
Total dose used =>	4,74 E-07

ENVIRONMENTAL Media CONCENTRATIONS	Air (gases) mg/m^3	Air (dust) mg/m^3	Ground soil mg/kg	Root soil mg/kg	Ground water mg/L	Surface water mg/L
	4,64 E-07	3,29 E-13	8,00 E-04	1,94 E-02	2,45 E-05	4,48 E-05

EXPOSURE MEDIA CONCENTRATIONS (averaged over the exposure duration)

EXPOSURE	Air (gases)	Air (dust)	Ground soil	Root soil	Ground water	Surface water
Indoor air (mg/m ³)	4,64 E-07	1,93 E-13	1,41 E-11	1,72 E-06	0,00 E+00	0,00 E+00
Bathroom air (mg/m ³)					0,00 E+00	0,00 E+00
Outdoor air (mg/m ³)	4,64 E-07	3,29 E-13				
Tap water (mg/L)					0,00 E+00	0,00 E+00
Exposed produce (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Unexposed produce (mg/kg)				0,00 E+00	0,00 E+00	0,00 E+00
Meat (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Milk (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Eggs (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Fish and seafood (mg/kg)						4,63 E-03
Household soil (mg/kg)			4,00 E-04	9,68 E-03		
Swimming water (mg/L)						4,48 E-05

PATHWAY CONTACT FACTORS (CR/BW*FI)

EXPOSURE Media	Units	Inhalation	Ingestion	Dermal
Indoor air (active)		1,65 E-01		
Indoor air (resting)		5,17 E-02		
Indoor air (shower/bath)		0,00 E+00		
Outdoor air (active)		9,66 E-04		
Tap water			0,00 E+00	0,00 E+00
Exposed produce			0,00 E+00	
Unexposed produce			0,00 E+00	
Meat			0,00 E+00	
Milk			0,00 E+00	
Eggs			0,00 E+00	
Fish and seafood			0,00 E+00	
Household soil			1,46 E-08	8,81 E-11
Swimming wtr			0,00 E+00	0,00 E+00

Dose ratios	inh-dose/Ns	ing-dose/Ns	drml-dose/Ns	inh-dose/Nq	ing-dose/Nq	drml-dose/Nq
	1,7 E-07	5,2 E-11	3,1 E-13	0,0 E+00	0,0 E+00	0,0 E+00

Time (y)	Total inhalation dose	Total ingestion dose	Total dermal dose	Total dose	Total dose from root soil	Total dose from ground water
1	2,0 E-06	6,4 E-10	3,8 E-12	2,0 E-06	2,0 E-06	0,0 E+00
4	1,3 E-06	4,1 E-10	2,5 E-12	1,3 E-06	1,3 E-06	0,0 E+00
7	8,6 E-07	2,7 E-10	1,6 E-12	8,6 E-07	8,6 E-07	0,0 E+00
10	5,6 E-07	1,7 E-10	1,0 E-12	5,6 E-07	5,6 E-07	0,0 E+00
13	3,6 E-07	1,1 E-10	6,8 E-13	3,6 E-07	3,6 E-07	0,0 E+00
16	2,3 E-07	7,3 E-11	4,4 E-13	2,3 E-07	2,3 E-07	0,0 E+00
19	1,5 E-07	4,7 E-11	2,8 E-13	1,5 E-07	1,5 E-07	0,0 E+00
22	9,8 E-08	3,1 E-11	1,8 E-13	9,8 E-08	9,8 E-08	0,0 E+00
25	6,4 E-08	2,0 E-11	1,2 E-13	6,4 E-08	6,4 E-08	0,0 E+00
28	4,1 E-08	1,3 E-11	7,8 E-14	4,1 E-08	4,1 E-08	0,0 E+00
31	2,7 E-08	8,3 E-12	5,0 E-14	2,7 E-08	2,7 E-08	0,0 E+00
Cumulative doses				0,005185247		
over ED by route, mg/kg	5,2 E-03	1,6 E-06	9,7 E-09	5,2 E-03	5,2 E-03	0,0 E+00
fraction	0,9997	0,0003	0,0000	1,0000	1,000	0,000
Average doses						
over ED by route, mg/kg-d	4,7 E-07	1,5 E-10	8,9 E-13	4,7 E-07	4,7 E-07	0,0 E+00
Maximum doses						
over ED by route, mg/kg-d	2,0 E-06	6,4 E-10	3,8 E-12	2,0 E-06	2,0 E-06	0,0 E+00
fraction	0,9997	0,0003	0,0000	1,0000	1,000	0,000

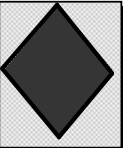
Max breast-milk dose 0,0 E+00 mg/kg-d

Max_ing	6,4 E-10
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CalTOX™ 2.3 (beta): Eight-Compartment Multimedia Exposure Model

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	Inputs:	Chemical name==>	Naphtalène		Outputs:		
		Site name =>	Common - After - 12-19 ans (User)		Target Soil Concentrations (in ppm)		
		Toxicity Data ==>		Cancer potencies 1/(mg/kg-d)	Non-cancer ADIs (mg/kg-d)		
		Inhalation	0,0E+00	0,0E+00	Based on cancer risk:		
		Ingestion	0,0E+00	2,0E-02	Root soil	0,0 E+0	not avlbl.
		Dermal	0,0E+00	0,0E+00	Vadose soil	0,0 E+0	not avlbl.
		Total dose	0,0E+00				
		Target Risk/Hazard =	1,0 E-05	1,00	Based on hazard:		
			current value	should be >	Root Soil	1,0 E+5	
		Root-soil thickness ==>	0,30	OK	Vadose soil	>conc limit	
		Alter root soil thickness to?	n/a		Root soil	1,0 E+5	>conc limit
		Distance off-site for air exposure=	0	meters	Vadose soil	0,0 E+0	not avlbl.
		Time after initial concentrations when exposure begins =	365	days			
		Measured Concentrations (at time = 0)			Un-mitigated risk and/or hazard ratio		
		Root-zone soil	0,09	ppm (mg/kg)	Risk	0,0 E+0	
	Vadose-zone soil	6,95	ppm (mg/kg)	Hazard ratio	1,0 E-8		
	Ground water	0	ppm (mg/L)				
	Continuous inputs			Concentration limits without NAPL			
	Source term to air (mol/d)	0,0 E+00	Sa	Root soil	7,4 E+02	mg/kg solid	
	Source term to ground-surface soil (mol/d)	0,0 E+00	Sg	Vadose soil	8,8 E+02	mg/kg solid	
	Source term to root-zone soil (mol/d)	0,0 E+00	Ss		3,4 E+01	mg/L water	
	Source term to surface water(mol/d)	0,0 E+00	Sw	Time avrg. Conc. in on-site environmental media			
				Air	4,6 E-07	mg/m3	
				Plants	8,8 E-07	mg/kg(FM)	
				Grnd-surface soil	7,4 E-04	mg/kg(total)	
				Root-zone soil	1,8 E-02	mg/kg(total)	
				Vadose-zone soil	1,3 E+00	mg/kg(total)	
				Ground water	2,5 E-05	mg/L(water)	
				Surface water	4,5 E-05	mg/L	
				Sediment	1,6 E-03	mg/kg	

MEDIA AND CORRESPONDING POTENTIAL DOSES IN mg/kg-d (averaged over the exposure duration)

PATHWAYS	Air (gases & particles)	Surface soil	Root-zone soil	Ground water	Surface water	Totals	%
INHALATION	6,63E-08	2,01E-12	2,45E-07	0,00E+00	0,00E+00	3,11E-07	99,99
INGESTION:							
Water				0,00E+00	0,00E+00	0,00E+00	0,00
Exposed produce	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Unexposed produce			0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Meat	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Milk	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Eggs	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Fish					0,00E+00	0,00E+00	0,00
Soil		1,84E-12	4,44E-11			4,63E-11	0,01
Total ingestion	0,00 E+00	1,84 E-12	4,44 E-11	0,00 E+00	0,00 E+00	4,63 E-11	0,01
DERMAL UPTAKE		1,63E-14	3,95E-13	0,00E+00	0,00E+00	4,12 E-13	0,00
Dose SUM	6,63E-08	3,86E-12	2,45E-07	0,00E+00	0,00E+00	3,11E-07	100,0

Breast milk concentration	Air (gases & particles)	Surface soil	Root-zone soil	Ground water	Surface water	total
	1,87 E-09	1,09 E-13	6,90 E-09	0,00 E+00	0,00 E+00	8,76 E-09
Infant dose	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	dose_bm 0,00 E+00

Ingestion dose used =>	4,63 E-11
Total dose used =>	3,11 E-07

ENVIRONMENTAL Media CONCENTRATIONS	Air (gases) mg/m^3	Air (dust) mg/m^3	Ground soil mg/kg	Root soil mg/kg	Ground water mg/L	Surface water mg/L
	4,64 E-07	3,29 E-13	8,00 E-04	1,94 E-02	2,45 E-05	4,48 E-05

EXPOSURE MEDIA CONCENTRATIONS (averaged over the exposure duration)

EXPOSURE	Air (gases)	Air (dust)	Ground soil	Root soil	Ground water	Surface water
Indoor air (mg/m ³)	4,64 E-07	1,93 E-13	1,41 E-11	1,72 E-06	0,00 E+00	0,00 E+00
Bathroom air (mg/m ³)					0,00 E+00	0,00 E+00
Outdoor air (mg/m ³)	4,64 E-07	3,29 E-13				
Tap water (mg/L)					0,00 E+00	0,00 E+00
Exposed produce (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Unexposed produce (mg/kg)				0,00 E+00	0,00 E+00	0,00 E+00
Meat (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Milk (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Eggs (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Fish and seafood (mg/kg)						4,63 E-03
Household soil (mg/kg)			4,00 E-04	9,68 E-03		
Swimming water (mg/L)						4,48 E-05

PATHWAY CONTACT FACTORS (CR/BW*FI)

EXPOSURE Media	Units	Inhalation	Ingestion	Dermal
Indoor air (active)		1,12 E-01		
Indoor air (resting)		3,10 E-02		
Indoor air (shower/bath)		0,00 E+00		
Outdoor air (active)		2,90 E-04		
Tap water			0,00 E+00	0,00 E+00
Exposed produce			0,00 E+00	
Unexposed produce			0,00 E+00	
Meat			0,00 E+00	
Milk			0,00 E+00	
Eggs			0,00 E+00	
Fish and seafood			0,00 E+00	
Household soil			4,59 E-09	4,08 E-11
Swimming wtr			0,00 E+00	0,00 E+00

Dose ratios	inh-dose/Ns	ing-dose/Ns	drml-dose/Ns	inh-dose/Nq	ing-dose/Nq	drml-dose/Nq
	1,1 E-07	1,6 E-11	1,5 E-13	0,0 E+00	0,0 E+00	0,0 E+00

Time (y)	Total inhalation dose	Total ingestion dose	Total dermal dose	Total dose	Total dose from root soil	Total dose from ground water
1	1,3 E-06	2,0 E-10	1,8 E-12	1,3 E-06	1,3 E-06	0,0 E+00
4	8,7 E-07	1,3 E-10	1,2 E-12	8,7 E-07	8,7 E-07	0,0 E+00
7	5,7 E-07	8,4 E-11	7,5 E-13	5,7 E-07	5,7 E-07	0,0 E+00
10	3,7 E-07	5,4 E-11	4,8 E-13	3,7 E-07	3,7 E-07	0,0 E+00
13	2,4 E-07	3,5 E-11	3,1 E-13	2,4 E-07	2,4 E-07	0,0 E+00
16	1,5 E-07	2,3 E-11	2,0 E-13	1,5 E-07	1,5 E-07	0,0 E+00
19	1,0 E-07	1,5 E-11	1,3 E-13	1,0 E-07	1,0 E-07	0,0 E+00
22	6,5 E-08	9,6 E-12	8,6 E-14	6,5 E-08	6,5 E-08	0,0 E+00
25	4,2 E-08	6,2 E-12	5,5 E-14	4,2 E-08	4,2 E-08	0,0 E+00
28	2,7 E-08	4,0 E-12	3,6 E-14	2,7 E-08	2,7 E-08	0,0 E+00
31	1,8 E-08	2,6 E-12	2,3 E-14	1,8 E-08	1,8 E-08	0,0 E+00
Cumulative doses				0,003407962		
over ED by route, mg/kg	3,4 E-03	5,1 E-07	4,5 E-09	3,4 E-03	3,4 E-03	0,0 E+00
fraction	0,9999	0,0001	0,0000	1,0000	1,000	0,000
Average doses						
over ED by route, mg/kg-d	3,1 E-07	4,6 E-11	4,1 E-13	3,1 E-07	3,1 E-07	0,0 E+00
Maximum doses						
over ED by route, mg/kg-d	1,3 E-06	2,0 E-10	1,8 E-12	1,3 E-06	1,3 E-06	0,0 E+00
fraction	0,9999	0,0001	0,0000	1,0000	1,000	0,000

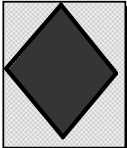
Max breast-milk dose 0,0 E+00 mg/kg-d

Max_ing	2,0 E-10
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CalTOX™ 2.3 (beta): Eight-Compartment Multimedia Exposure Model

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	Inputs:	Chemical name==>	Naphtalène		Outputs:		
		Site name => Common - After - > 20 ans (User)			Target Soil Concentrations (in ppm)		
		Toxicity Data ==>	Cancer potencies 1/(mg/kg-d)	Non-cancer ADIs (mg/kg-d)	Based on cancer risk:		
		Inhalation	0,0E+00	0,0E+00	Root soil	0,0 E+0	not avlbl.
		Ingestion	0,0E+00	2,0E-02	Vadose soil	0,0 E+0	not avlbl.
		Dermal	0,0E+00	0,0E+00			
		Total dose	0,0E+00		Based on hazard:		
			Risk	Hazard quotient	Root Soil	1,0 E+5	
		Target Risk/Hazard =	1,0 E-05	1,00	Vadose soil	>conc limit	n/a
			current value	should be >	Root soil	1,0 E+5	>conc limit
		Root-soil thickness ==>	0,30	OK	Vadose soil	0,0 E+0	not avlbl.
		Alter root soil thickness to?	n/a				
		Distance off-site for air exposure=	0	meters			
		Time after initial concentrations when exposure begins =	365	days			
		Measured Concentrations (at time = 0)			Un-mitigated risk and/or hazard ratio		
	Root-zone soil	0,09	ppm (mg/kg)	Risk	0,0 E+0		
	Vadose-zone soil	6,95	ppm (mg/kg)	Hazard ratio	8,5 E-9		
	Ground water	0	ppm (mg/L)				
	Continuous inputs			Concentration limits without NAPL			
	Source term to air (mol/d)	0,0 E+00	Sa	Root soil	7,4 E+02	mg/kg solid	
	Source term to ground-surface soil (mol/d)	0,0 E+00	Sg	Vadose soil	8,8 E+02	mg/kg solid	
	Source term to root-zone soil (mol/d)	0,0 E+00	Ss		3,4 E+01	mg/L water	
	Source term to surface water(mol/d)	0,0 E+00	Sw	Time avrg. Conc. in on-site environmental media			
				Air	4,6 E-07	mg/m3	
				Plants	8,8 E-07	mg/kg(FM)	
				Grnd-surface soil	7,4 E-04	mg/kg(total)	
				Root-zone soil	1,8 E-02	mg/kg(total)	
				Vadose-zone soil	1,3 E+00	mg/kg(total)	
				Ground water	2,5 E-05	mg/L(water)	
				Surface water	4,5 E-05	mg/L	
				Sediment	1,6 E-03	mg/kg	

MEDIA AND CORRESPONDING POTENTIAL DOSES IN mg/kg-d (averaged over the exposure duration)

PATHWAYS	Air (gases & particles)	Surface soil	Root-zone soil	Ground water	Surface water	Totals	%
INHALATION	5,60E-08	1,70E-12	2,07E-07	0,00E+00	0,00E+00	2,63E-07	99,99
INGESTION:							
Water				0,00E+00	0,00E+00	0,00E+00	0,00
Exposed produce	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Unexposed produce			0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Meat	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Milk	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Eggs	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00
Fish					0,00E+00	0,00E+00	0,00
Soil		1,55E-12	3,75E-11			3,91E-11	0,01
Total ingestion	0,00 E+00	1,55 E-12	3,75 E-11	0,00 E+00	0,00 E+00	3,91 E-11	0,01
DERMAL UPTAKE		1,33E-14	3,21E-13	0,00E+00	0,00E+00	3,35 E-13	0,00
Dose SUM	5,60E-08	3,26E-12	2,07E-07	0,00E+00	0,00E+00	2,63E-07	100,0

Breast milk concentration	Air (gases & particles)	Surface soil	Root-zone soil	Ground water	Surface water	total
	1,58 E-09	9,18 E-14	5,82 E-09	0,00 E+00	0,00 E+00	7,40 E-09
Infant dose	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	dose_bm 0,00 E+00

Ingestion dose used =>	3,91 E-11
Total dose used =>	2,63 E-07

ENVIRONMENTAL Media CONCENTRATIONS	Air (gases) mg/m^3	Air (dust) mg/m^3	Ground soil mg/kg	Root soil mg/kg	Ground water mg/L	Surface water mg/L
	4,64 E-07	3,29 E-13	8,00 E-04	1,94 E-02	2,45 E-05	4,48 E-05

EXPOSURE MEDIA CONCENTRATIONS (averaged over the exposure duration)

EXPOSURE	Air (gases)	Air (dust)	Ground soil	Root soil	Ground water	Surface water
Indoor air (mg/m ³)	4,64 E-07	1,93 E-13	1,41 E-11	1,72 E-06	0,00 E+00	0,00 E+00
Bathroom air (mg/m ³)					0,00 E+00	0,00 E+00
Outdoor air (mg/m ³)	4,64 E-07	3,29 E-13				
Tap water (mg/L)					0,00 E+00	0,00 E+00
Exposed produce (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Unexposed produce (mg/kg)				0,00 E+00	0,00 E+00	0,00 E+00
Meat (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Milk (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Eggs (mg/kg)	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00	0,00 E+00
Fish and seafood (mg/kg)						4,63 E-03
Household soil (mg/kg)			4,00 E-04	9,68 E-03		
Swimming water (mg/L)						4,48 E-05

PATHWAY CONTACT FACTORS (CR/BW*FI)

EXPOSURE Media	Units	Inhalation	Ingestion	Dermal
Indoor air (active)		9,43 E-02		
Indoor air (resting)		2,62 E-02		
Indoor air (shower/bath)		0,00 E+00		
Outdoor air (active)		2,45 E-04		
Tap water			0,00 E+00	0,00 E+00
Exposed produce			0,00 E+00	
Unexposed produce			0,00 E+00	
Meat			0,00 E+00	
Milk			0,00 E+00	
Eggs			0,00 E+00	
Fish and seafood			0,00 E+00	
Household soil			3,88 E-09	3,32 E-11
Swimming wtr			0,00 E+00	0,00 E+00

Dose ratios	inh-dose/Ns	ing-dose/Ns	drml-dose/Ns	inh-dose/Nq	ing-dose/Nq	drml-dose/Nq
	9,3 E-08	1,4 E-11	1,2 E-13	0,0 E+00	0,0 E+00	0,0 E+00

Time (y)	Total inhalation dose	Total ingestion dose	Total dermal dose	Total dose	Total dose from root soil	Total dose from ground water
1	1,1 E-06	1,7 E-10	1,4 E-12	1,1 E-06	1,1 E-06	0,0 E+00
4	7,4 E-07	1,1 E-10	9,4 E-13	7,4 E-07	7,4 E-07	0,0 E+00
7	4,8 E-07	7,1 E-11	6,1 E-13	4,8 E-07	4,8 E-07	0,0 E+00
10	3,1 E-07	4,6 E-11	3,9 E-13	3,1 E-07	3,1 E-07	0,0 E+00
13	2,0 E-07	3,0 E-11	2,6 E-13	2,0 E-07	2,0 E-07	0,0 E+00
16	1,3 E-07	1,9 E-11	1,7 E-13	1,3 E-07	1,3 E-07	0,0 E+00
19	8,4 E-08	1,3 E-11	1,1 E-13	8,4 E-08	8,4 E-08	0,0 E+00
22	5,5 E-08	8,1 E-12	7,0 E-14	5,5 E-08	5,5 E-08	0,0 E+00
25	3,5 E-08	5,3 E-12	4,5 E-14	3,5 E-08	3,5 E-08	0,0 E+00
28	2,3 E-08	3,4 E-12	2,9 E-14	2,3 E-08	2,3 E-08	0,0 E+00
31	1,5 E-08	2,2 E-12	1,9 E-14	1,5 E-08	1,5 E-08	0,0 E+00
Cumulative doses				0,002877727		
over ED by route, mg/kg	2,9 E-03	4,3 E-07	3,7 E-09	2,9 E-03	2,9 E-03	0,0 E+00
fraction	0,9999	0,0001	0,0000	1,0000	1,000	0,000
Average doses						
over ED by route, mg/kg-d	2,6 E-07	3,9 E-11	3,3 E-13	2,6 E-07	2,6 E-07	0,0 E+00
Maximum doses						
over ED by route, mg/kg-d	1,1 E-06	1,7 E-10	1,4 E-12	1,1 E-06	1,1 E-06	0,0 E+00
fraction	0,9999	0,0001	0,0000	1,0000	1,000	0,000

Max breast-milk dose 0,0 E+00 mg/kg-d

Max_ing	1,7 E-10
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