

o-DCB Sheep Fluid Occupational Full Analysis Results

Chemical: o-DCB
Product/Article: Generic product E2
Use Environment: Outside
Scenario Description/Notes: Not provided

o-DCB Sheep Fluid Occupational: Combined Analysis Results

Receptor	Inhalation		Ingestion		Dermal		Total	
	Acute Dose Rate (mg/kg/d)	Chronic Average Daily Dose (mg/kg/d)	Acute Dose Rate (mg/kg/d)	Chronic Average Daily Dose (mg/kg/d)	Acute Dose Rate (mg/kg/d)	Chronic Average Daily Dose (mg/kg/d)	Acute Dose Rate (mg/kg/d)	Chronic Average Daily Dose (mg/kg/d)
Lifetime_LADD	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04
Adult	1.28E-03	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	1.88E-04
Youth2	1.11E-03	9.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	9.43E-05
Youth1	1.30E-03	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	1.10E-04
Child2	1.84E-03	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03	1.56E-04
Child1	2.65E-03	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-03	2.24E-04
Infant2	3.25E-03	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-03	2.76E-04
Infant1	3.45E-03	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-03	2.93E-04

o-DCB Sheep Fluid Occupational Full Analysis Results

Chemical: o-DCB
Product/Article: Generic product E2
Use Environment: Outside
Scenario Description/Notes: Not provided

o-DCB Sheep Fluid Occupational: Inhalation Results

Chronic Inhalation Results:

Receptor	Background Chronic Dose (mg/kg/d)	Chronic Dose (mg/day)	Chronic ADD (mg/kg/d)	Chronic ADC Zone 1 (mg/m3)	Chronic
Adult	0.00E+00	1.50E-02	1.88E-04	9.20E-04	
Youth2	0.00E+00	6.75E-03	9.43E-05	4.14E-04	
Youth1	0.00E+00	6.25E-03	1.10E-04	4.14E-04	
Child2	0.00E+00	4.96E-03	1.56E-04	4.14E-04	
Child1	0.00E+00	4.17E-03	2.24E-04	4.14E-04	
Infant2	0.00E+00	3.47E-03	2.76E-04	4.14E-04	
Infant1	0.00E+00	2.28E-03	2.93E-04	4.14E-04	

Time to background concentration- chronic (hr):

Acute Inhalation Results:

Receptor	Background ADR (mg/kg/d)	Peak Dose (mg/day)	ADR (mg/kg/d)	Peak Conc. (mg/m3)
Adult	0.00E+00	1.02E-01	1.28E-03	3.05E-02
Youth2	0.00E+00	7.97E-02	1.11E-03	3.05E-02
Youth1	0.00E+00	7.38E-02	1.30E-03	3.05E-02
Child2	0.00E+00	5.86E-02	1.84E-03	3.05E-02
Child1	0.00E+00	4.92E-02	2.65E-03	3.05E-02
Infant2	0.00E+00	4.10E-02	3.25E-03	3.05E-02
Infant1	0.00E+00	2.69E-02	3.45E-03	3.05E-02

Time to background concentration- acute (hr):

o-DCB Sheep Fluid Occupational Full Analysis Results

Chemical: o-DCB
Product/Article: Generic product E2
Use Environment: Outside
Scenario Description/Notes: Not provided

o-DCB Sheep Fluid Occupational: Ingestion Results

Chronic Ingestion Results:

Receptor	Chronic ADD (mg/kg/d)
Adult	0.00E+00
Youth2	0.00E+00
Youth1	0.00E+00
Child2	0.00E+00
Child1	0.00E+00
Infant2	0.00E+00
Infant1	0.00E+00

Acute Ingestion Results:

Receptor	ADR (mg/kg/d)
Adult	0.00E+00
Youth2	0.00E+00
Youth1	0.00E+00
Child2	0.00E+00
Child1	0.00E+00
Infant2	0.00E+00
Infant1	0.00E+00

o-DCB Sheep Fluid Occupational Full Analysis Results

Chemical: o-DCB
Product/Article: Generic product E2
Use Environment: Outside
Scenario Description/Notes: Not provided

o-DCB Sheep Fluid Occupational: Dermal Results

Chronic Dermal Results:

Receptor	Applied to Skin Chronic ADD (mg/kg/d)	Skin Contact Chronic ADD (mg/kg/d)	Vapor to Skin Chronic ADD (mg/kg/d)	Total Chronic Dermal ADD (mg/kg/d)
Adult	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Youth2	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Youth1	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Child2	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Child1	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Infant2	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Infant1	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Acute Dermal Results:

Receptor	Applied to Skin ADR (mg/kg/d)	Skin Contact ADR (mg/kg/d)	Vapor to Skin ADR (mg/kg/d)	Total Acute Dermal ADR (mg/kg/d)
Adult	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Youth2	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Youth1	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Child2	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Child1	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Infant2	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Infant1	0.00E+00	0.00E+00	0.00E+00	0.00E+00

o-DCB Sheep Fluid Occupational Full Analysis Results

Chemical: o-DCB
Product/Article: Generic product E2
Use Environment: Outside
Scenario Description/Notes: Not provided

CEM Scenario Summary

Scenario Name and Definition

Scenario: o-DCB Sheep Fluid Occupational
Chemical: o-DCB
Product: Generic product E2
Use Environment: Outside
Scenario Description/notes:

Models

Models for the Selected Product or Article:	VOC	E1: Emission from Product Applied to a Surface Indoors Incremental Source Model P_INH1: Calculation of Inhalation Dose from Product Usage P_INH2: Calculation of Inhalation Dose from Product Usage: Near-field Option
	SVOC/VOC	P_DER2a: Dermal Dose from Product Applied to Skin, Fraction Absorbed Model
	SVOC/VOC	P_DER2b: Dermal Dose from Product Applied to Skin, Permeability Model

Additional Product Options

Product Users: ☒ Adult ☐ Youth ☐ Child
Activity Pattern: ☒ SAH ☐ Part-time ☐ Full-time
Use a User Defined Emission Rate? ☒ Let CEM Define Emission Rate ☐ Use a User-Defined Emission Rate
Dermal Absorption or Permeability? ☐ Absorption Fraction Method ☒ Permeability Method
Use Near Field Zone? ☒ Do Not Use Near Field in Zone 1 ☐ Use Near Field in Zone 1

Inputs

o-DCB Sheep Fluid Occupational Full Analysis Results

Chemical: o-DCB
 Product/Article: Generic product E2
 Use Environment: Outside
 Scenario Description/Notes: Not provided

Location	Required Input	Value
1. Scenario	Background Air Concentration (mg/m3)	0.00E+00
1. Scenario	Weight Fraction of Chemical (-)	3.00E-01
2. Inputs; a. Chemical Properties	Log Octanol-water partition coefficient (-)	1.10E+00
2. Inputs; a. Chemical Properties	Molecular Weight (g/mol)	1.47E+02
2. Inputs; a. Chemical Properties	Saturation Concentration in Air (mg/m3)	1.07E+04
2. Inputs; a. Chemical Properties	Vapor Pressure (torr)	1.35E+00
2. Inputs; b. Product/Article Properties	Density of Product/Article (g/cm3)	1.09E+00
2. Inputs; b. Product/Article Properties	Duration of Use - Acute (min)	1.80E+02
2. Inputs; b. Product/Article Properties	Duration of Use - Chronic (min)	1.00E+01
2. Inputs; b. Product/Article Properties	Fraction Ingested (-)	1.00E-02
2. Inputs; b. Product/Article Properties	Frequency of Use - Acute (events/day)	4.00E+00
2. Inputs; b. Product/Article Properties	Frequency of Use - Chronic (events/year)	5.20E+01
2. Inputs; b. Product/Article Properties	Mass of product used - acute (g/use)	1.09E+02
2. Inputs; b. Product/Article Properties	Mass of product used - chronic (g/use)	1.09E+02
2. Inputs; b. Product/Article Properties	Product Dilution Fraction (-)	1.00E+00
2. Inputs; b. Product/Article Properties	Skin Permeability Coefficient (cm/hr)	3.41E-03
2. Inputs; c. Environment Inputs	Air Exchange Rate, Zone 1 (per hour)	4.50E-01
2. Inputs; c. Environment Inputs	Air Exchange Rate, Zone 2 (per hour)	0.00E+00
2. Inputs; c. Environment Inputs	Building Volume (m3)	1.00E+100
2. Inputs; c. Environment Inputs	Interzone Ventilation Rate (m3/hr)	1.00E-30
2. Inputs; c. Environment Inputs	Use Environment Volume (m3)	4.92E+02

Exposure Factors

o-DCB Sheep Fluid Occupational Full Analysis Results

Chemical: o-DCB
 Product/Article: Generic product E2
 Use Environment: Outside
 Scenario Description/Notes: Not provided

Receptor	Body Weight	Inhalation After Use	Inhalation During Use	Surface Area to Body Weight
Adult (≥21 years)	80	0.61	0.74	245.89
Youth (16-20 years)	71.6	0.68	0.72	256.98
Youth (11-15 years)	56.8	0.63	0.78	279.93
Child (6-10 years)	31.8	0.5	0.66	339.62
Small Child (3-5 years)	18.6	0.42	0.66	408.6
Infant (1-2 years)	12.6	0.35	0.72	452.38
Infant (<1 year)	7.8	0.23	0.46	509.57

Notes: body weight = kg; dust ingestion rate = mg/day; inhalation rate after use = m3/hr; inhalation rate during use = m3/hr; surface area to body weight ratio = m2/kg; transfer coefficient = cm2/hr

Receptor	Exposure Duration - Chronic	Exposure Duration - Acute	Avg Time - Chronic	Avg Time - Acute
Adult (≥21 years)	1	1	1	1
Youth (16-20 years)	1	1	1	1
Youth (11-15 years)	1	1	1	1
Child (6-10 years)	1	1	1	1
Small Child (3-5 years)	1	1	1	1
Infant (1-2 years)	1	1	1	1
Infant (<1 year)	1	1	1	1

Notes: averaging time - chronic = years; averaging time - acute = days; exposure duration - chronic = years; averaging time - acute = days