

**Worksheet IB:  
Determination of Non-Cancer  
Human Health Risk**

***1,2-Dichloro-4-nitro-5-pentylbenzene***

<b>Type of Exposure</b>	<b>Effect</b>	<b>NOAEL (mg/kg-d)</b>	<b>Exposure Dose (mg/kg-d) <i>(Source of Value)</i></b>	<b>MOE</b>	<b>Potential for Risk?</b>
<b>Worker</b>					
<b>General Pop.</b>					

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<b>Worker</b>	<b>Dev. Tox</b>				
<b>General Pop.</b>	<b>Dev. Tox</b>				

# Worksheet IB: Determination of Non-Cancer Human Health Risk

## *1,2-Dichloro-4-nitro-5-pentylbenzene*

<b>Type of Exposure</b>	<b>Effect</b>	<b>NOAEL (mg/kg-d)</b>	<b>Exposure Dose (mg/kg-d) <i>(Source of Value)</i></b>	<b>MOE</b>	<b>Potential for Risk?</b>
<b>Worker</b>	<b>Dev. Tox</b>	<b>10</b>			
<b>General Pop.</b>	<b>Dev. Tox</b>	<b>10</b>			

# Worksheet IB: Determination of Non-Cancer Human Health Risk

## *1,2-Dichloro-4-nitro-5-pentylbenzene*

Type of Exposure	Effect	NOAEL (mg/kg-d)	Exposure Dose (mg/kg-d) <i>(Source of Value)</i>	MOE	Potential for Risk?
Worker	Dev. Tox	10	0.599 <i>(ChemSTEER Acute APDR, Inhalation)</i>		
General Pop.	Dev. Tox	10			

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## *1,2-Dichloro-4-nitro-5-pentylbenzene*

<b>Type of Exposure</b>	<b>Effect</b>	<b>NOAEL (mg/kg-d)</b>	<b>Exposure Dose (mg/kg-d) <i>(Source of Value)</i></b>	<b>MOE</b>	<b>Potential for Risk?</b>
<b>Worker</b>	<b>Dev. Tox</b>	<b>10</b>	<b>0.599 <i>(ChemSTEER Acute APDR, Inhalation)</i></b>		
<b>General Pop.</b>	<b>Dev. Tox</b>	<b>10</b>	<b><math>8.13 \times 10^{-2}</math> <i>(E-FAST Acute ADRpot, Fish Ingestion)</i></b>		

# Worksheet IB: Determination of Non-Cancer Human Health Risk

## *1,2-Dichloro-4-nitro-5-pentylbenzene*

Type of Exposure	Effect	NOAEL (mg/kg-d)	Exposure Dose (mg/kg-d) <i>(Source of Value)</i>	MOE	Potential for Risk?
Worker	Dev. Tox	10	0.599 <i>(ChemSTEER Acute APDR, Inhalation)</i>	16.7	
General Pop.	Dev. Tox	10	$8.13 \times 10^{-2}$ <i>(E-FAST Acute ADRpot, Fish Ingestion)</i>		

# Worksheet IB: Determination of Non-Cancer Human Health Risk

## *1,2-Dichloro-4-nitro-5-pentylbenzene*

<b>Type of Exposure</b>	<b>Effect</b>	<b>NOAEL (mg/kg-d)</b>	<b>Exposure Dose (mg/kg-d) <i>(Source of Value)</i></b>	<b>MOE</b>	<b>Potential for Risk?</b>
<b>Worker</b>	<b>Dev. Tox</b>	<b>10</b>	<b>0.599 <i>(ChemSTEER Acute APDR, Inhalation)</i></b>	<b>16.7</b>	
<b>General Pop.</b>	<b>Dev. Tox</b>	<b>10</b>	<b><math>8.13 \times 10^{-2}</math> <i>(E-FAST Acute ADRpot, Fish Ingestion)</i></b>	<b>123</b>	

# Worksheet IB: Determination of Non-Cancer Human Health Risk

## *1,2-Dichloro-4-nitro-5-pentylbenzene*

Type of Exposure	Effect	NOAEL (mg/kg-d)	Exposure Dose (mg/kg-d) <i>(Source of Value)</i>	MOE	Potential for Risk?
Worker	Dev. Tox	10	0.599 <i>(ChemSTEER Acute APDR, Inhalation)</i>	16.7	Yes
General Pop.	Dev. Tox	10	$8.13 \times 10^{-2}$ <i>(E-FAST Acute ADRpot, Fish Ingestion)</i>	123	

# Worksheet IB: Determination of Non-Cancer Human Health Risk

## *1,2-Dichloro-4-nitro-5-pentylbenzene*

Type of Exposure	Effect	NOAEL (mg/kg-d)	Exposure Dose (mg/kg-d) <i>(Source of Value)</i>	MOE	Potential for Risk?
Worker	Dev. Tox	10	0.599 <i>(ChemSTEER Acute APDR, Inhalation)</i>	16.7	Yes
General Pop.	Dev. Tox	10	$8.13 \times 10^{-2}$ <i>(E-FAST Acute ADRpot, Fish Ingestion)</i>	123	Low

# Worksheet IB: Determination of Non-Cancer Human Health Risk

## *1,2-Dichloro-4-nitro-5-pentylbenzene*

Type of Exposure	Effect	NOAEL (mg/kg-d)	Exposure Dose (mg/kg-d) <i>(Source of Value)</i>	MOE	Potential for Risk?
<b>Worker</b>	<b>Dev. Tox</b>	<b>10</b>	<b>0.599</b> <i>(ChemSTEER Acute APDR, Inhalation)</i>	<b>16.7</b>	<b>Yes</b>
<div style="border: 2px solid red; padding: 10px; display: inline-block; width: 80%;"> <p>The potential for risk exists for non-cancer effects due to occupational exposure because the MOE &lt; 100</p> </div>					

# Worksheet IB: Determination of Non-Cancer Human Health Risk

## *1,2-Dichloro-4-nitro-5-pentylbenzene*

Type of Exposure	Effect	NOAEL (mg/kg-d)	Exposure Dose (mg/kg-d) <i>(Source of Value)</i>	MOE	Potential for Risk?
<div style="border: 2px solid red; padding: 5px; display: inline-block;"> <p>Low concern for risk of non-cancer effects to the general population because the MOE &gt; 100</p> </div>					
General Pop.	Dev. Tox	10	$8.13 \times 10^{-2}$ <i>(E-FAST Acute ADRpot, Fish Ingestion)</i>	123	<div style="border: 2px solid red; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> <p>Low</p> </div>

# Worksheet 2B: Determination of Non-Cancer Human Health Risk

## *Cyclohexanol, 1-methyl-3-(2-methylpropyl)-*

Type of Exposure	Effect	NOAEL (mg/kg-d)	Exposure Dose (mg/kg-d) (Source)	MOE	Potential for Risk?
Worker					
General Pop.					

## Worksheet 2B: Determination of Non-Cancer Human Health Risk

### *Cyclohexanol, 1-methyl-3-(2-methylpropyl)-*

Type of Exposure	Effect	NOAEL (mg/kg-d)	Exposure Dose (mg/kg-d) (Source)	MOE	Potential for Risk?
Worker	Systemic (Mortality)				
General Pop.	Systemic (Mortality)				

## Worksheet 2B: Determination of Non-Cancer Human Health Risk

### *Cyclohexanol, 1-methyl-3-(2-methylpropyl)-*

<b>Type of Exposure</b>	<b>Effect</b>	<b>NOAEL (mg/kg-d)</b>	<b>Exposure Dose (mg/kg-d) (Source)</b>	<b>MOE</b>	<b>Potential for Risk?</b>
<b>Worker</b>	<b>Systemic (Mortality)</b>	<b>40</b>			
<b>General Pop.</b>	<b>Systemic (Mortality)</b>	<b>40</b>			

## Worksheet 2B: Determination of Non-Cancer Human Health Risk

### *Cyclohexanol, 1-methyl-3-(2-methylpropyl)-*

Type of Exposure	Effect	NOAEL (mg/kg-d)	Exposure Dose (mg/kg-d) (Source)	MOE	Potential for Risk?
Worker	Systemic (Mortality)	40	2.76 (ChemSTEER, Chronic Dermal ADD)		
General Pop.	Systemic (Mortality)	40	$1.85 \times 10^{-5}$ (E-FAST, Chronic Drinking water ADDpot)		

## Worksheet 2B: Determination of Non-Cancer Human Health Risk

### *Cyclohexanol, 1-methyl-3-(2-methylpropyl)-*

Type of Exposure	Effect	NOAEL (mg/kg-d)	Exposure Dose (mg/kg-d) (Source)	MOE	Potential for Risk?
Worker	Systemic (Mortality)	40	2.76 (ChemSTEER, Chronic Dermal ADD)	14	
General Pop.	Systemic (Mortality)	40	$1.85 \times 10^{-5}$ (E-FAST, Chronic Drinking water ADDpot)		

## Worksheet 2B: Determination of Non-Cancer Human Health Risk

### *Cyclohexanol, 1-methyl-3-(2-methylpropyl)-*

Type of Exposure	Effect	NOAEL (mg/kg-d)	Exposure Dose (mg/kg-d) (Source)	MOE	Potential for Risk?
Worker	Systemic (Mortality)	40	2.76 (ChemSTEER, Chronic Dermal ADD)	14	
General Pop.	Systemic (Mortality)	40	$1.85 \times 10^{-5}$ (E-FAST, Chronic Drinking water ADDpot)	$2.2 \times 10^6$	

## Worksheet 2B: Determination of Non-Cancer Human Health Risk

### *Cyclohexanol, 1-methyl-3-(2-methylpropyl)-*

Type of Exposure	Effect	NOAEL (mg/kg-d)	Exposure Dose (mg/kg-d) (Source)	MOE	Potential for Risk?
Worker	Systemic (Mortality)	40	2.76 (ChemSTEER, Chronic Dermal ADD)	14	Yes
General Pop.	Systemic (Mortality)	40	$1.85 \times 10^{-5}$ (E-FAST, Chronic Drinking water ADDpot)	$2.2 \times 10^6$	

## Worksheet 2B: Determination of Non-Cancer Human Health Risk

### *Cyclohexanol, 1-methyl-3-(2-methylpropyl)-*

Type of Exposure	Effect	NOAEL (mg/kg-d)	Exposure Dose (mg/kg-d) (Source)	MOE	Potential for Risk?
Worker	Systemic (Mortality)	40	2.76 (ChemSTEER, Chronic Dermal ADD)	14	Yes
General Pop.	Systemic (Mortality)	40	$1.85 \times 10^{-5}$ (E-FAST, Chronic Drinking water ADDpot)	$2.2 \times 10^6$	Low

## Worksheet 2B: Determination of Non-Cancer Human Health Risk

### *Cyclohexanol, 1-methyl-3-(2-methylpropyl)-*

Type of Exposure	Effect	NOAEL (mg/kg-d)	Exposure Dose (mg/kg-d) (Source)	MOE	Potential for Risk?
<b>Worker</b>	<div style="border: 2px solid red; padding: 5px;"> <p>There is a concern for risk of non-cancer effects due to occupational exposure because the MOE &lt;100.</p> </div>			14	Yes
<b>General Pop.</b>	<div style="border: 2px solid red; padding: 5px;"> <p>Low concern for risk of non-cancer effects to the general population because the MOE &gt;100.</p> </div>			2.2x10 <sup>6</sup>	Low

**Worksheet 3B:  
Determination of Non-Cancer  
Human Health Risk**

***1,3,5-triazine-2,4-diamine, 6-nonyl***

<b>Type of Exposure</b>	<b>Effect</b>	<b>NOAEL (mg/kg-d)</b>	<b>Exposure Dose (mg/kg-d) <i>(Source of Value)</i></b>	<b>MOE</b>	<b>Potential for Risk?</b>
<b>Worker</b>					
<b>General Pop.</b>					

## Worksheet 3B: Determination of Non-Cancer Human Health Risk

*1,3,5-triazine-2,4-diamine, 6-nonyl*

Type of Exposure	Effect	NOAEL (mg/kg-d)	Exposure Dose (mg/kg-d) <i>(Source of Value)</i>	MOE	Potential for Risk?
Worker	Urinary bladder effects				
General Pop.	Urinary bladder effects				

## Worksheet 3B: Determination of Non-Cancer Human Health Risk

***1,3,5-triazine-2,4-diamine, 6-nonyl***

<b>Type of Exposure</b>	<b>Effect</b>	<b>NOAEL (mg/kg-d)</b>	<b>Exposure Dose (mg/kg-d) <i>(Source of Value)</i></b>	<b>MOE</b>	<b>Potential for Risk?</b>
<b>Worker</b>	<b>Urinary bladder effects</b>	<b>50</b>			
<b>General Pop.</b>	<b>Urinary bladder effects</b>	<b>50</b>			

## Worksheet 3B: Determination of Non-Cancer Human Health Risk

### *1,3,5-triazine-2,4-diamine, 6-nonyl*

Type of Exposure	Effect	NOAEL (mg/kg-d)	Exposure Dose (mg/kg-d) <i>(Source of Value)</i>	MOE	Potential for Risk?
Worker	Urinary bladder effects	50	2.1x10 <sup>-3</sup> (ChemSTEER, Chronic Dermal ADD)		
General Pop.	Urinary bladder effects	50			

## Worksheet 3B: Determination of Non-Cancer Human Health Risk

### *1,3,5-triazine-2,4-diamine, 6-nonyl*

Type of Exposure	Effect	NOAEL (mg/kg-d)	Exposure Dose (mg/kg-d) <i>(Source of Value)</i>	MOE	Potential for Risk?
Worker	Urinary bladder effects	50	$2.1 \times 10^{-3}$ (ChemSTEER, Chronic Dermal ADD)		
General Pop.	Urinary bladder effects	50	$1.95 \times 10^{-5}$ (E-FAST, Chronic Drinking Water ADDpot)		

## Worksheet 3B: Determination of Non-Cancer Human Health Risk

### *1,3,5-triazine-2,4-diamine, 6-nonyl*

Type of Exposure	Effect	NOAEL (mg/kg-d)	Exposure Dose (mg/kg-d) <i>(Source of Value)</i>	MOE	Potential for Risk?
Worker	Urinary bladder effects	50	$2.1 \times 10^{-3}$ (ChemSTEER, Chronic Dermal ADD)	$2.4 \times 10^4$	
General Pop.	Urinary bladder effects	50	$1.95 \times 10^{-5}$ (E-FAST, Chronic Drinking Water ADDpot)		

## Worksheet 3B: Determination of Non-Cancer Human Health Risk

### *1,3,5-triazine-2,4-diamine, 6-nonyl*

Type of Exposure	Effect	NOAEL (mg/kg-d)	Exposure Dose (mg/kg-d) <i>(Source of Value)</i>	MOE	Potential for Risk?
Worker	Urinary bladder effects	50	2.1x10 <sup>-3</sup> (ChemSTEER, Chronic Dermal ADD)	2.4x10 <sup>4</sup>	
General Pop.	Urinary bladder effects	50	1.95x10 <sup>-5</sup> (E-FAST, Chronic Drinking Water ADDpot)	2.6x10 <sup>6</sup>	

## Worksheet 3B: Determination of Non-Cancer Human Health Risk

### *1,3,5-triazine-2,4-diamine, 6-nonyl*

Type of Exposure	Effect	NOAEL (mg/kg-d)	Exposure Dose (mg/kg-d) <i>(Source of Value)</i>	MOE	Potential for Risk?
Worker	Urinary bladder effects	50	$2.1 \times 10^{-3}$ (ChemSTEER, Chronic Dermal ADD)	$2.4 \times 10^4$	Low
General Pop.	Urinary bladder effects	50	$1.95 \times 10^{-5}$ (E-FAST, Chronic Drinking Water ADDpot)	$2.6 \times 10^6$	

## Worksheet 3B: Determination of Non-Cancer Human Health Risk

### *1,3,5-triazine-2,4-diamine, 6-nonyl*

Type of Exposure	Effect	NOAEL (mg/kg-d)	Exposure Dose (mg/kg-d) <i>(Source of Value)</i>	MOE	Potential for Risk?
Worker	Urinary bladder effects	50	$2.1 \times 10^{-3}$ (ChemSTEER, Chronic Dermal ADD)	$2.4 \times 10^4$	Low
General Pop.	Urinary bladder effects	50	$1.95 \times 10^{-5}$ (E-FAST, Chronic Drinking Water ADDpot)	$2.6 \times 10^6$	Low

## Worksheet 3B: Determination of Non-Cancer Human Health Risk

### *1,3,5-triazine-2,4-diamine, 6-nonyl*

Type of Exposure	Effect	NOAEL (mg/kg-d)	Exposure Dose (mg/kg-d) <i>(Source of Value)</i>	MOE	Potential for Risk?
Worker	<div style="border: 2px solid red; padding: 5px;">                     Low concern for risk of non-cancer effects due to occupational exposure because the MOE &gt;100.                 </div>		→	2.4x10 <sup>4</sup>	Low
General Pop.	<div style="border: 2px solid red; padding: 5px;">                     Low concern for risk of non-cancer effects to the general population because the MOE &gt;100.                 </div>		→	2.6x10 <sup>6</sup>	Low