

**TABLE 3-4  
TIER 2 & 3A DEFAULT EXPOSURE PARAMETERS**

PARAMETER	SYMBOL	UNITS	VALUE*
<b>Averaging Time</b>			
Carcinogens	AT <sub>c</sub>	year	70
Non-Carcinogens	AT <sub>n</sub>	year	=ED
<b>Body Weight</b>			
On/Off-site Resident (adult)	BW	kg	70
On/Off-site Resident (child)	BW	kg	15
On/Off-site Commercial Workers	BW	kg	70
Construction Worker	BW	kg	70
<b>Exposure Duration</b>			
On/Off-site Resident (adult)	ED	year	30
On/Off-site Resident (child)	ED	year	6
On/Off-site Commercial Workers	ED	year	25
Construction Worker	ED	year	1
<b>Exposure Frequency</b>			
On/Off-site Resident (adult and child)	EF	days/yr	350
On/Off-site Commercial Workers	EF	days/yr	250
Construction Worker	EF	days/yr	90
<b>Indoor Exposure Time</b>			
On/Off-site Resident (adult)	ET <sub>in</sub>	hrs/day	12
On/Off-site Resident (child)	ET <sub>in</sub>	hrs/day	12
On/Off-site Commercial Workers	ET <sub>in</sub>	hrs/day	8
Construction Worker	ET <sub>in</sub>	hrs/day	8
<b>Outdoor Exposure Time</b>			
On/Off-site Resident (adult)	ET <sub>out</sub>	hrs/day	8
On/Off-site Resident (child)	ET <sub>out</sub>	hrs/day	8
On/Off-site Commercial Workers	ET <sub>out</sub>	hrs/day	8
Construction Worker	ET <sub>out</sub>	hrs/day	10
<b>Soil Ingestion Rate</b>			
On/Off-site Resident (adult)	IR <sub>soil</sub>	mg/day	100
On/Off-site Resident (child)	IR <sub>soil</sub>	mg/day	200
On/Off-site Commercial Workers	IR <sub>soil</sub>	mg/day	50
Construction Worker	IR <sub>soil</sub>	mg/day	480
<b>Ground Water Ingestion Rate</b>			
On/Off-site Resident (adult)	IR <sub>w</sub>	L/day	2
On/Off-site Resident (child)	IR <sub>w</sub>	L/day	1
On/Off-site Commercial Workers	IR <sub>w</sub>	L/day	2
<b>Hourly Outdoor Inhalation Rate</b>			
On/Off-site Resident (adult)	IR <sub>ao</sub>	m <sup>3</sup> /hr	2.5
On/Off-site Resident (child)	IR <sub>ao</sub>	m <sup>3</sup> /hr	1.25
On/Off-site Commercial Workers	IR <sub>ao</sub>	m <sup>3</sup> /hr	2.5
Construction Worker	IR <sub>ao</sub>	m <sup>3</sup> /hr	2.5
<b>Hourly Indoor Inhalation Rate</b>			
On/Off-site Resident (adult)	IR <sub>ai</sub>	m <sup>3</sup> /hr	1.67
On/Off-site Resident (child)	IR <sub>ai</sub>	m <sup>3</sup> /hr	0.84
On/Off-site Commercial Workers	IR <sub>ai</sub>	m <sup>3</sup> /hr	2.5
<b>Skin Surface Area</b>			
On/Off-site Resident (adult)	SA <sub>Child</sub>	cm <sup>2</sup> /day	5000
On/Off-site Resident (child)	SA <sub>Adult</sub>	cm <sup>2</sup> /day	1750
On/Off-site Commercial Workers	SA <sub>Comm</sub>	cm <sup>2</sup> /day	5000
Construction Worker	SA <sub>Const</sub>	cm <sup>2</sup> /day	7250
<b>Soil to Skin Adherence Factor</b>			
On/Off-site Resident (adult)	M	mg/cm <sup>2</sup>	0.2
On/Off-site Resident (child)	M	mg/cm <sup>2</sup>	0.2
On/Off-site Commercial Workers	M	mg/cm <sup>2</sup>	0.2
Construction Worker	M	mg/cm <sup>2</sup>	0.2
<b>Target Risk</b>	TR	***	1E-05
<b>Target Hazard quotient</b>	THQ	***	1

\* Exposure Factors Handbook, Volume 1. August 1997. U.S. EPA, Office of Research and Development, Washington DC 20460. EPA/600/P-95/002