

4717.8150 TABLE OF SUBCHRONIC HRVs.

The heading for each item contains the chemical name and, in parenthesis, the CAS RN. Each item lists the subchronic HRV, the equation used to develop the subchronic HRV, and the variables necessary for the equation. The equations used to develop the subchronic HRV are designated as follows:

"A" means calculating the $NOAEL_{[HEC]}$ or $LOAEL_{[HEC]}$ or $BMC_{[HEC]}$ under part 4717.8300, subpart 3, and applying the general equation under part 4717.8300, subpart 2;

"B" means calculating the $NOAEL_{[HEC]}$ or $LOAEL_{[HEC]}$ or $BMC_{[HEC]}$ under part 4717.8300, subpart 4, and applying the general equation under part 4717.8300, subpart 2;

"C" means calculating the $NOAEL_{[HEC]}$ or $LOAEL_{[HEC]}$ or $BMC_{[HEC]}$ under part 4717.8300, subpart 5, and applying the general equation under part 4717.8300, subpart 2; and

"D" means calculating the $NOAEL_{[HEC]}$ or $LOAEL_{[HEC]}$ or $BMC_{[HEC]}$ under part 4717.8300, subpart 6, and applying the general equation under part 4717.8300, subpart 2.

The endpoint of concern is listed for use in determining a hazard index under part 4717.8600.

TABLE OF SUBCHRONIC HRVs**A. Acrolein (107-02-8)**

Subchronic HRV ($\mu\text{g}/\text{m}^3$)	0.2
Endpoint of concern	Upper respiratory system
Equation	C
$LOAEL_{[HEC]}$ (mg/m^3)	2E-2
Uncertainty factor	100

B. Acrylic acid (79-10-7)

Subchronic HRV ($\mu\text{g}/\text{m}^3$)	3
Endpoint of concern	Upper respiratory system
Equation	C
$LOAEL_{[HEC]}$ (mg/m^3)	3.3E-1
Uncertainty factor	100

C. Allyl chloride (107-05-1)

Subchronic HRV ($\mu\text{g}/\text{m}^3$)	10
Endpoint of concern	Nervous system
Equation	D
NOAEL _[HEC] (mg/m^3)	3.6
Uncertainty factor	300

D. Arsine (7784-42-1)

Subchronic HRV ($\mu\text{g}/\text{m}^3$)	0.1
Endpoint of concern	Hematologic system
Equation	D
NOAEL _[HEC] (mg/m^3)	1.4E-2
Uncertainty factor	100

E. Chlordane (12789-03-6)

Subchronic HRV ($\mu\text{g}/\text{m}^3$)	7
Endpoint of concern	Hepatic system
Equation	B
NOAEL _[HEC] (mg/m^3)	6.5E-1
Uncertainty factor	100

F. Chlorine dioxide (10049-04-4)

Subchronic HRV ($\mu\text{g}/\text{m}^3$)	0.6
Endpoint of concern	Lower respiratory system
Equation	C
LOAEL _[HEC] (mg/m^3)	6.4E-1
Uncertainty factor	1,000

G. Chromic acid mists and dissolved Cr (VI) aerosols (18540-29-9)

Subchronic HRV ($\mu\text{g}/\text{m}^3$)	0.02
Endpoint of concern	Upper and lower respiratory system
Equation	C

LOAEL _[ADJ] (mg/m ³)	7.1E-4
Uncertainty factor	30

H. Cr (VI) particulates (18540-29-9)

Subchronic HRV (µg/m ³)	1
Endpoint of concern	Lower respiratory system
Equation	A
BMC _[HEC] (mg/m ³)	3.5E-2
Uncertainty factor	30

I. Cumene (98-82-8)

Subchronic HRV (µg/m ³)	4,000
Endpoint of concern	Renal system and endocrine system
Equation	D
NOAEL _[HEC] (mg/m ³)	4.35E2
Uncertainty factor	100

J. 1,2-Dibromo-3-chloropropane (96-12-8)

Subchronic HRV (µg/m ³)	2
Endpoint of concern	Male reproductive system
Equation	D
NOAEL _[HEC] (mg/m ³)	1.7E-1
Uncertainty factor	100

K. 1,4-Dichlorobenzene (106-46-7)

Subchronic HRV (µg/m ³)	800
Endpoint of concern	Hepatic system
Equation	D
NOAEL _[HEC] (mg/m ³)	7.5E1
Uncertainty factor	100

L. 1,2-Dichloropropane (78-87-5)

Subchronic HRV ($\mu\text{g}/\text{m}^3$)	10
Endpoint of concern	Upper respiratory system
Equation	C
LOAEL _[HEC] (mg/m^3)	1.3
Uncertainty factor	100

M. Dicyclopentadiene (77-73-6)

Subchronic HRV ($\mu\text{g}/\text{m}^3$)	3
Endpoint of concern	Renal system
Equation	D
LOAEL _[HEC] (mg/m^3)	9.6E-1
Uncertainty factor	300

N. 2-Dimethylamino ethanol (101-01-0)

Subchronic HRV ($\mu\text{g}/\text{m}^3$)	70
Endpoint of concern	Upper respiratory system
Equation	C
NOAEL _[HEC] (mg/m^3)	1.96
Uncertainty factor	30

O. Ethylene glycol monomethyl ether (EGME) or 2-methoxyethanol (109-86-4)

Subchronic HRV ($\mu\text{g}/\text{m}^3$)	60
Endpoint of concern	Male reproductive and hematologic systems
Equation	D
NOAEL _[HEC] (mg/m^3)	1.7E1
Uncertainty factor	300

P. Hydrogen sulfide (7783-06-4)

Subchronic HRV ($\mu\text{g}/\text{m}^3$)	10
Endpoint of concern	Upper respiratory system
Equation	C

NOAEL _[HEC] (mg/m ³)	1.01
Uncertainty factor	100

Q. Phosphine (7803-51-2)

Subchronic HRV (µg/m ³)	3
Endpoint of concern	Decreased body weight
Equation	D
NOAEL _[HEC] (mg/m ³)	2.5E-1
Uncertainty factor	100

R. Propylene glycol monomethyl ether (107-98-2)

Subchronic HRV (µg/m ³)	20,000
Endpoint of concern	Nervous system
Equation	D
NOAEL _[HEC] (mg/m ³)	6.58E2
Uncertainty factor	30

S. Triethylamine (121-44-8)

Subchronic HRV (µg/m ³)	70
Endpoint of concern	Upper respiratory system
Equation	C
NOAEL _[HEC] (mg/m ³)	1.95E1
Uncertainty factor	300

Statutory Authority: *MS s 144.12*

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