FINAL REGULATION ORDER

AMENDMENTS TO THE TABLES OF MAXIMUM INCREMENTAL REACTIVITY (MIR) VALUES

Amend section 94700, title 17, California Code of Regulations, to read as follows:

Note: The amendments are shown in underline to indicate additions and ~~strikeout~~ to show deletions. The effective date of the New MIR Valves will be 30 days after the amendments are approved by the Office of Administrative Law.

SUBCHAPTER 8.6 MAXIMUM INCREMENTAL REACTIVITY

Article 1. Tables of Maximum Incremental Reactivity (MIR) Values

94700. MIR Values for Compounds.

Organic Compound	MIR Value (July 18, 2001)	New MIR Value (Effective Date)
Carbon Monoxide	0.06	0.06
Methane	0.01	0.01
Ethane	0.31	0.31
Propane	0.56	0.56
n-Butane	1.33	1.33
n-Pentane	1.54	1.54
n-Hexane	1.45	1.45
n-Heptane	1.28	1.28
n-Octane	1.11	1.11
n-Nonane	0.95	0.95
n-Decane	0.83	0.83
n-Undecane	0.74	0.74
n-Dodecane	0.66	0.66
n-Tridecane	0.62	0.62
n-Tetradecane	0.58	0.58
n-Pentadecane	0.56	0.53
n-C16	0.52	0.52
n-C17	0.49	0.49
n-C18	0.47	0.44
n-C19	0.44	0.44
n-C20	0.42	0.42
n-C21	0.40	0.40
n-C22	0.38	0.38
Isobutane	1.35	1.35
Isopentane	1.68	1.68

Neopentane	0.69	0.69
Branched C5 Alkanes	1.68	1.68
2,2-Dimethyl Butane	1.33	1.33
2,3-Dimethyl Butane	1.14	1.14
2-Methyl Pentane (Isohexane)	1.80	1.80
3-Methyl Pentane	2.07	2.07
Branched C6 Alkanes	1.53	1.53
2,2,3-Trimethyl Butane	1.32	1.32
2,2-Dimethyl Pentane	1.22	1.22
2,3-Dimethyl Pentane	1.55	1.55
2,4-Dimethyl Pentane	1.65	1.65
2-Methyl Hexane	1.37	1.37
3,3-Dimethyl Pentane	1.32	1.32
3-Methyl Hexane	1.86	1.86
Branched C7 Alkanes	1.63	1.63
2,2,3,3-Tetramethyl Butane	0.44	0.44
2,2,4-Trimethyl Pentane (Isooctane)	1.44	1.44
2,2-Dimethyl Hexane	1.13	1.13
2,3,4-Trimethyl Pentane	1.23	1.23
2,3-Dimethyl Hexane	1.34	1.34
2,4-Dimethyl Hexane	1.80	1.80
2,5-Dimethyl Hexane	1.68	1.68
2-Methyl Heptane	1.20	1.20
3-Methyl Heptane	1.35	1.35
4-Methyl Heptane	1.48	1.48
Branched C8 Alkanes	1.57	1.57
2,2,5-Trimethyl Hexane	1.33	1.33
2,3,5-Trimethyl Hexane	1.33	1.33
2,4-Dimethyl Heptane	1.48	1.48
2-Methyl Octane	0.96	0.96
3,3-Diethyl Pentane	1.35	1.35
3,5-Dimethyl Heptane	1.63	1.63
4-Ethyl Heptane	1.44	1.44
4-Methyl Octane	1.08	1.08
Branched C9 Alkanes	1.25	1.25
2,4-Dimethyl Octane	1.09	1.09
2,6-Dimethyl Octane	1.27	1.27
2-Methyl Nonane	0.86	0.86
3,4-Diethyl Hexane	1.20	1.20
3-Methyl Nonane	0.89	0.89
4-Methyl Nonane	0.99	0.99
4-Propyl Heptane	1.24	1.24
Branched C10 Alkanes	1.09	1.09
2,6-Dimethyl Nonane	0.95	0.95
3,5-Diethyl Heptane	1.21	1.21
3-Methyl Decane	0.77	0.77
4-Methyl Decane	0.80	0.80
Branched C11 Alkanes	0.87	0.87
2,3,4,6-Tetramethyl Heptane	1.26	1.26

2,6-Diethyl Octane	1.09	1.09
3,6-Dimethyl Decane	0.88	0.88
3-Methyl Undecane	0.70	0.70
5-Methyl Undecane	0.72	0.72
Branched C12 Alkanes	0.80	0.80
2,3,5,7-Tetramethyl Octane	1.06	1.06
3,6-Dimethyl Undecane	0.82	0.82
3,7-Diethyl Nonane	1.08	1.08
3-Methyl Dodecane	0.64	0.64
5-Methyl Dodecane	0.64	0.64
Branched C13 Alkanes	0.73	0.73
2,4,6,8-Tetramethyl Nonane	0.94	0.94
2,3,6-Trimethyl 4-Isopropyl Heptane	1.24	1.24
3,7-Dimethyl Dodecane	0.74	0.74
3,8-Diethyl Decane	0.68	0.68
3-Methyl Tridecane	0.57	0.57
6-Methyl Tridecane	0.62	0.62
Branched C14 Alkanes	0.67	0.67
2,4,5,6,8-Pentamethyl Nonane	1.11	1.11
2-Methyl 3,5-Diisopropyl Heptane	0.78	0.78
3,7-Dimethyl Tridecane	0.64	0.64
3,9-Diethyl Undecane	0.62	0.62
3-Methyl Tetradecane	0.53	0.53
6-Methyl Tetradecane	0.57	0.57
Branched C15 Alkanes	0.60	0.60
2,6,8-Trimethyl 4-Isopropyl Nonane	0.76	0.76
3-Methyl Pentadecane	0.50	0.50
4,8-Dimethyl Tetradecane	0.58	0.55
7-Methyl Pentadecane	0.51	0.51
Branched C16 Alkanes	0.54	0.54
2,7-Dimethyl 3,5-Diisopropyl Heptane	0.69	0.69
Branched C17 Alkanes	0.51	0.51
Branched C18 Alkanes	0.48	0.48
Cyclopropane	0.10	0.10
Cyclobutane	1.05	1.05
Cyclopentane	2.69	2.69
Cyclohexane	1.46	1.46
Isopropyl Cyclopropane	1.52	1.52
Methylcyclopentane	2.42	2.42
C6 Cycloalkanes	1.46	1.46
1,3-Dimethyl Cyclopentane	2.15	2.15
Cycloheptane	2.26	2.26
Ethyl Cyclopentane	2.27	2.27
Methylcyclohexane	1.99	1.99
C7 Cycloalkanes	1.99	1.99
C8 Bicycloalkanes*	1.75	1.75
1,3-Dimethyl Cyclohexane	1.72	1.72
Cyclooctane	1.73	1.73
Ethylcyclohexane	1.75	1.75

Propyl Cyclopentane	1.91	1.91
C8 Cycloalkanes	1.75	1.75
C9 Bicycloalkanes	1.57	1.57
1,1,3-Trimethyl Cyclohexane	1.37	1.37
1-Ethyl-4-Methyl Cyclohexane	1.62	1.62
Propyl Cyclohexane	1.47	1.47
C9 Cycloalkanes	1.55	1.55
C10 Bicycloalkanes	1.29	1.29
1,3-Diethyl Cyclohexane	1.34	1.34
1,4-Diethyl Cyclohexane	1.49	1.49
1-Methyl-3-Isopropyl Cyclohexane	1.26	1.26
Butyl Cyclohexane	1.07	1.07
C10 Cycloalkanes	1.27	1.27
C11 Bicycloalkanes	1.01	1.01
1,3-Diethyl-5-Methyl Cyclohexane	1.11	1.11
1-Ethyl-2-Propyl Cyclohexane	0.95	0.95
Pentyl Cyclohexane	0.91	0.91
C11 Cycloalkanes	0.99	0.99
C12 Bicycloalkanes	0.88	0.88
C12 Cycloalkanes	0.87	0.87
1,3,5-Triethyl Cyclohexane	1.06	1.06
1-Methyl-4-Pentyl Cyclohexane	0.81	0.81
Hexyl Cyclohexane	0.75	0.75
C13 Bicycloalkanes	0.79	0.79
~~1,3-Diethyl-5-Pentyl Cyclohexane~~	~~0.99~~	~~0.99~~
1,3-Diethyl-5-Propyl Cyclohexane*	0.96	0.96
1-Methyl-2-Hexyl Cyclohexane	0.70	0.70
Heptyl Cyclohexane	0.66	0.66
C13 Cycloalkanes	0.78	0.78
C14 Bicycloalkanes	0.71	0.71
1,3-Dipropyl-5-Ethyl Cyclohexane	0.94	0.94
1-Methyl-4-Heptyl Cyclohexane	0.58	0.58
Octyl Cyclohexane	0.60	0.60
C14 Cycloalkanes	0.71	0.71
C15 Bicycloalkanes	0.69	0.69
1,3,5-Tripropyl Cyclohexane	0.90	0.90
1-Methyl-2-Octyl Cyclohexane	0.60	0.60
Nonyl Cyclohexane	0.54	0.54
C15 Cycloalkanes	0.68	0.68
1,3-Dipropyl-5-Butyl Cyclohexane	0.77	0.77
1-Methyl-4-Nonyl Cyclohexane	0.55	0.55
Decyl Cyclohexane	0.50	0.50
C16 Cycloalkanes	0.61	0.61
Ethene	9.08	9.08
Propene (Propylene)	11.58	11.58
1-Butene	10.29	10.29
C4 Terminal Alkenes	10.29	10.29
1-Pentene	7.79	7.79
3-Methyl-1-Butene	6.99	6.99

C5 Terminal Alkenes	7.79	7.79
1-Hexene	6.17	6.17
3,3-Dimethyl-1-Butene	6.06	6.06
3-Methyl-1-Pentene	6.22	6.22
4-Methyl-1-Pentene	6.26	6.26
C6 Terminal Alkenes	6.17	6.17
1-Heptene	4.56	4.20
1-Octene	3.45	3.45
C8 Terminal Alkenes	3.45	3.45
1-Nonene	2.76	2.76
C9 Terminal Alkenes	2.76	2.76
1-Decene	2.28	2.28
C10 Terminal Alkenes	2.28	2.28
1-Undecene	1.95	1.95
C11 Terminal Alkenes	1.95	1.95
C12 Terminal Alkenes	1.72	1.72
1-Dodecene	1.72	1.72
1-Tridecene	1.55	1.55
C13 Terminal Alkenes	1.55	1.55
1-Tetradecene	1.41	1.41
C14 Terminal Alkenes	1.41	1.41
1-Pentadecene	1.37	1.27
C15 Terminal Alkenes	1.37	1.27
2-Methyl Pentene (Isobutene)	6.35	6.35
2-Methyl-1-Butene	6.51	6.51
2,3-Dimethyl-1-Butene	4.77	4.77
2-Ethyl-1-Butene	5.04	5.04
2-Methyl-1-Pentene	5.18	5.18
2,3,3-Trimethyl-1-Butene	4.62	4.62
C7 Terminal Alkenes	4.56	4.20
3-Methyl-2-Isopropyl-1-Butene	3.29	3.29
cis-2-Butene	13.22	13.22
trans-2-Butene	13.91	13.91
C4 Internal Alkenes	13.57	13.57
2-Methyl-2-Butene	14.45	14.45
cis-2-Pentene	10.24	10.24
trans-2-Pentene	10.23	10.23
2-Pentenes	10.23	10.23
C5 Internal Alkenes	10.23	10.23
2,3-Dimethyl-2-Butene	13.32	13.32
2-Methyl-2-Pentene	12.28	12.28
cis-2-Hexene	8.44	8.44
cis-3-Hexene	8.22	8.22
cis-3-Methyl-2-Pentene*	12.84	12.84
cis-3-Methyl-2-Hexene	13.38	13.38
trans 3-Methyl-2-Hexene	14.17	14.17
trans 4-Methyl-2-Hexene	7.88	7.88
trans-2-Hexene	8.44	8.44
trans-3-Hexene	8.16	8.16

2-Hexenes	8.44	8.44
C6 Internal Alkenes	8.44	8.44
2,3-Dimethyl-2-Hexene	10.41	10.41
cis-3-Heptene	6.96	6.96
trans-4,4-Dimethyl-2-Pentene	6.99	6.99
trans-2-Heptene	7.33	7.33
trans-3-Heptene	6.96	6.96
2-Heptenes	6.96	6.96
C7 Internal Alkenes	6.96	6.96
cis-4-Octene	5.94	5.94
trans-2,2-Dimethyl-3-Hexene	5.97	5.97
trans-2,5-Dimethyl-3-Hexene	5.44	5.44
trans-3-Octene	6.13	6.13
trans-4-Octene	5.90	5.90
3-Octenes	6.13	6.13
C8 Internal Alkenes	5.90	5.90
2,4,4-Trimethyl-2-Pentene	5.85	8.52
3-Nonenes	5.31	5.31
C9 Internal Alkenes	5.31	5.31
trans-4-Nonene	5.23	5.23
3,4-Diethyl-2-Hexene	3.95	3.95
cis-5-Decene	4.89	4.89
trans-4-Decene	4.50	4.50
C10 3-Alkenes	4.50	4.50
C10 Internal Alkenes	4.50	4.50
trans-5-Undecene	4.23	4.23
C11 3-Alkenes	4.23	4.23
C11 Internal Alkenes	4.23	4.23
C12 2-Alkenes	3.75	3.75
C12 3-Alkenes	3.75	3.75
C12 Internal Alkenes	3.75	3.75
trans-5-Dodecene	3.74	3.74
trans-5-Tridecene	3.38	3.38
C13 3-Alkenes	3.38	3.38
C13 Internal Alkenes	3.38	3.38
trans-5-Tetradecene	3.08	3.08
C14 3-Alkenes	3.08	3.08
C14 Internal Alkenes	3.08	3.08
trans-5-Pentadecene	2.82	2.82
C15 3-Alkenes	2.82	2.82
C15 Internal Alkenes	2.82	2.82
C4 Alkenes	11.93	11.93
C5 Alkenes	9.01	9.01
C6 Alkenes	6.88	6.88
C7 Alkenes	5.76	5.76
C8 Alkenes	4.68	4.68
C9 Alkenes	4.03	4.03
C10 Alkenes	3.39	3.39
C11 Alkenes	3.09	3.09

C12 Alkenes	2.73	2.73
C13 Alkenes	2.46	2.46
C14 Alkenes	2.28	2.28
C15 Alkenes	2.06	2.06
Cyclopentene	7.38	7.38
1-Methyl Cyclopentene	13.95	13.95
Cyclohexene	5.45	5.45
1-Methyl Cyclohexene	7.81	7.81
4-Methyl Cyclohexene	4.48	4.48
1,2-Dimethyl Cyclohexene	6.77	6.77
1,3-Butadiene	13.58	13.58
Isoprene	10.69	10.69
C6 Cyclic or Di-olefins	8.65	8.65
C7 Cyclic or Di-olefins	7.49	7.49
C8 Cyclic or Di-olefins	6.01	6.01
C9 Cyclic or Di-olefins	5.40	5.40
C10 Cyclic or Di-olefins	4.56	4.56
C11 Cyclic or Di-olefins	4.29	4.29
C12 Cyclic or Di-olefins	3.79	3.79
C13 Cyclic or Di-olefins	3.42	3.42
C14 Cyclic or Di-olefins	3.11	3.11
C15 Cyclic or Di-olefins	2.85	2.85
Cyclopentadiene	7.61	7.61
3-Carene	3.21	3.21
a-Pinene (Pine Oil)	4.29	4.29
b-Pinene	3.28	3.28
d-Limonene (Dipentene or Orange Terpene)	3.99	3.99
Sabinene	3.67	3.67
Terpene	3.79	3.79
Styrene	1.95	1.95
a-Methyl Styrene	1.72	1.72
C9 Styrenes	1.72	1.72
C10 Styrenes	1.53	1.53
Benzene	0.81	0.81
Toluene	3.97	3.97
Ethyl Benzene	2.79	2.79
Cumene (Isopropyl Benzene)	2.32	2.32
n-Propyl Benzene	2.20	2.20
C9 Monosubstituted Benzenes	2.20	2.20
s-Butyl Benzene	1.97	1.97
C10 Monosubstituted Benzenes	1.97	1.97
n-Butyl Benzene	1.97	1.97
C11 Monosubstituted Benzenes	1.78	1.78
C12 Monosubstituted Benzenes	1.63	1.63
C13 Monosubstituted Benzenes	1.50	1.50
m-Xylene	10.61	10.61
o-Xylene	7.49	7.49
p-Xylene	4.25	4.25
C8 Disubstituted Benzenes	7.48	7.48

m-Ethyl Toluene*	9.37	9.37
p-Ethyl Toluene*	3.75	3.75
o-Ethyl Toluene*	6.61	6.61
C9 Disubstituted Benzenes	6.61	6.61
o-Diethyl Benzene*	5.92	5.92
m-Diethyl Benzene*	8.39	8.39
p-Diethyl Benzene*	3.36	3.36
C10 Disubstituted Benzenes	5.92	5.92
C11 Disubstituted Benzenes	5.35	5.35
C12 Disubstituted Benzenes	4.90	4.90
C13 Disubstituted Benzenes	4.50	4.50
Isomers of Ethylbenzene	5.16	5.16
1,2,3-Trimethyl Benzene	11.26	11.26
1,2,4-Trimethyl Benzene	7.18	7.18
1,3,5-Trimethyl Benzene	11.22	11.22
C9 Trisubstituted Benzenes	9.90	9.90
Isomers of Propylbenzene	6.12	6.12
1,2,3,5-Tetramethyl Benzene*	8.25	8.25
C10 Tetrasubstituted Benzenes	8.86	8.86
C10 Trisubstituted Benzenes	8.86	8.86
Isomers of Butylbenzene	5.48	5.48
C11 Pentasubstituted Benzenes	8.03	8.03
C11 Tetrasubstituted Benzenes	8.03	8.03
C11 Trisubstituted Benzenes	8.03	8.03
Isomers of Pentylbenzene	4.96	4.96
C12 Pentasubstituted Benzenes	7.33	7.33
C12 Hexasubstituted Benzenes	7.33	7.33
C12 Tetrasubstituted Benzenes	7.33	7.33
C12 Trisubstituted Benzenes	7.33	7.33
Isomers of Hexylbenzene	4.53	4.53
C13 Trisubstituted Benzenes	6.75	6.75
Indene*	3.21	3.21
Indane	3.17	3.17
Naphthalene	3.26	3.26
Tetralin	2.83	2.83
Methyl Indans*	2.83	2.83
Methyl Naphthalenes	4.61	4.61
1-Methyl Naphthalene	4.61	4.61
2-Methyl Naphthalene	4.61	4.61
C11 Tetralin or Indane	2.56	2.56
2,3-Dimethyl Naphthalene	5.54	5.54
C12 Disubstituted Naphthalenes	5.54	5.54
Dimethyl Naphthalenes	5.54	5.54
C12 Monosubstituted Naphthalenes	4.20	4.20
C12 Tetralin or Indane*	2.33	2.33
C13 Disubstituted Naphthalenes	5.08	5.08
C13 Trisubstituted Naphthalenes	5.08	5.08
C13 Monosubstituted Naphthalenes	3.86	3.86
Acetylene	1.25	1.25

Methyl Acetylene	6.45	6.45
2-Butyne	16.33	16.33
Ethyl Acetylene	6.20	6.20
Methanol	0.71	0.71
Ethanol	1.69	1.69
Isopropanol (2-Propanol or Isopropyl Alcohol)	0.71	0.71
n-Propanol (n-Propyl Alcohol)	2.74	2.74
Isobutanol (Isobutyl Alcohol)	2.24	2.24
1-Butanol (n-Butyl Alcohol)	3.34	3.34
2-Butanol (s-Butyl Alcohol)	1.60	1.60
t-Butyl Alcohol	0.45	0.45
Cyclopentanol	1.96	1.96
2-Pentanol	1.74	1.74
3-Pentanol	1.73	1.73
n-Pentanol (Amyl Alcohol)	3.35	3.35
Isoamyl Alcohol (3-Methyl-1-Butanol)*	2.73	2.73
2-Methyl-1-Butanol*	2.60	2.60
Cyclohexanol	2.25	2.25
1-Hexanol	2.74	2.74
2-Hexanol	2.46	2.46
4-Methyl-2-Pentanol (Methyl Isobutyl Carbinol)*	2.89	2.89
1-Heptanol	2.21	2.21
Dimethylpentanol (2,3-Dimethyl-1-Pentanol)*	2.51	2.51
1-Octanol	2.01	2.01
2-Ethyl-1-Hexanol (Ethyl Hexyl Alcohol)	2.20	2.20
2-Octanol	2.16	2.16
3-Octanol	2.57	2.57
4-Octanol	3.07	3.07
5-Methyl-1-Heptanol*	1.95	1.95
Trimethylcyclohexanol*	2.17	2.17
Dimethylheptanol (2,6-Dimethyl-2-Heptanol)*	1.07	1.07
2,6-Dimethyl-4-Heptanol*	2.37	2.37
Menthol*	1.70	1.70
Isodecyl Alcohol (8-Methyl-1-Nonanol)	1.23	1.23
1-Decanol*	1.22	1.22
3,7-Dimethyl-1-Octanol*	1.42	1.42
Trimethylnonanolthreoerythro; 2,6,8-Trimethyl-4-Nonanol*	1.55	1.55
Ethylene Glycol	3.36	3.36
Propylene Glycol	2.75	2.75
1,2-Butanediol	2.21	2.21
Glycerol (1,2,3-Propanetriol)	3.27	3.27
1,4-Butanediol*	3.22	3.22
Pentaerythritol*	2.42	2.42
1,2-Dihydroxy Hexane	2.75	2.75
2-Methyl-2,4-Pentanediol	1.04	1.04
2-Ethyl-1,3-Hexanediol*	2.62	2.62
Dimethyl Ether	0.93	0.93
Trimethylene Oxide	5.22	5.22
1,3-Dioxolane*	5.47	5.47

Dimethoxymethane	1.04	1.04
Tetrahydrofuran	4.95	4.95
Diethyl Ether	4.01	4.01
1,4-Dioxane*	2.71	2.71
Alpha-Methyltetrahydrofuran	4.62	4.62
Tetrahydropyran	3.81	3.81
Ethyl Isopropyl Ether	3.86	3.86
Methyl n-Butyl Ether	3.66	3.66
Methyl t-Butyl Ether	0.78	0.78
2,2-Dimethoxypropane	0.52	0.52
Di n-Propyl Ether	3.24	3.24
Ethyl n-Butyl Ether	3.86	3.86
Ethyl t-Butyl Ether	2.11	2.11
Methyl t-Amyl Ether	2.14	2.14
Di-isopropyl Ether*	3.56	3.56
Ethylene Glycol Diethyl Ether; 1,2-Diethoxyethane*	2.84	2.84
Acetal (1,1-Diethoxyethane)*	3.68	3.68
4,4-Dimethyl-3-Oxahexane*	2.03	2.03
2-Butyl Tetrahydrofuran	2.53	2.53
Di-Isobutyl Ether	1.29	1.29
Di-n-butyl Ether	3.17	3.17
2-Methoxy-1-(2-Methoxy-1-Methylethoxy)-Propane*	2.09	2.09
Di-n-Pentyl Ether	2.64	2.64
Ethylene Glycol Monomethyl Ether (2-Methoxyethanol)	2.98	2.98
Propylene Glycol Monomethyl Ether (1-Methoxy-2-Propanol)	2.62	2.62
2-Ethoxyethanol	3.78	3.78
2-Methoxy-1-Propanol	3.01	3.01
3-Methoxy-1-Propanol*	4.01	4.01
Diethylene Glycol	3.55	3.55
Tetrahydro-2-Furanmethanol*	3.54	3.54
Propylene Glycol Monoethyl Ether (1-Ethoxy-2-Propanol)	3.25	3.25
Ethylene Glycol Monopropyl Ether (2-Propoxyethanol)	3.52	3.52
3-Ethoxy-1-Propanol	4.24	4.24
3-Methoxy-1-Butanol	0.97	0.97
Diethylene Glycol Methyl Ether [2-(2-Methoxyethoxy) Ethanol]	2.90	2.90
Propylene Glycol Monopropyl Ether (1-Propoxy-2-Propanol)	2.86	2.86
Ethylene Glycol Monobutyl Ether [2-Butoxyethanol]	2.90	2.90
3-Methoxy-3-Methyl-Butanol	1.74	1.74
n-Propoxypropanol*	3.84	3.84
2-(2-Ethoxyethoxy) Ethanol	3.19	3.19
Dipropylene Glycol	2.48	2.48
Triethylene Glycol*	3.41	3.41
Propylene Glycol t-Butyl Ether (1-tert-Butoxy-2-Propanol)	1.71	1.71
2-tert-Butoxy-1-Propanol	1.81	1.81
n-Butoxy-2-Propanol	2.70	2.70
Dipropylene Glycol Methyl Ether Isomer (1-Methoxy-2-[2-Hydroxypropoxy]-Propane)	2.21	2.21
Dipropylene Glycol Methyl Ether Isomer (2-[2-Methoxypropoxy]-1-Propanol)	3.02	2.70
2-Hexyloxyethanol	2.45	2.45

2-(2-Propoxyethoxy) Ethanol	3.00	3.00
2,2,4-Trimethyl-1,3-Pentanediol	1.74	1.74
2-(2-Butoxyethoxy)-Ethanol	2.70	2.87
2-[2-(2-Methoxyethoxy) Ethoxy] Ethanol	2.62	2.62
Dipropylene Glycol Ethyl Ether*	2.75	2.75
Ethylene Glycol 2-Ethylhexyl Ether [2-(2-Ethylhexyloxy) Ethanol]	1.71	1.71
2-[2-(2-Ethoxyethoxy) Ethoxy] Ethanol	2.66	2.66
Tetraethylene Glycol*	2.84	2.84
1-(Butoxyethoxy)-2-Propanol*	2.08	2.08
2-(2-Hexyloxyethoxy) Ethanol	2.03	2.03
Glycol Ether dpnb (1-(2-Butoxy-1-Methylethoxy)-2-Propanol)*	1.96	1.96
2-[2-(2-Propoxyethoxy) Ethoxy] Ethanol	2.46	2.46
2-[2-(2-Butoxyethoxy) Ethoxy] Ethanol	2.24	2.24
Tripropylene Glycol Monomethyl Ether	1.90	1.90
2,5,8,11-Tetraoxatridecan-13-ol	2.15	2.15
3,6,9,12-Tetraoxahexadecan-1-ol	1.90	1.90
Cumene Hydroperoxide (1-Methyl-1-Phenylethylhydroperoxide)**	12.61	12.61
Methyl Formate	0.06	0.06
Ethyl Formate	0.52	0.52
Methyl Acetate	0.07	0.07
gamma- Butyrolactone*	1.15	1.15
Ethyl Acetate	0.64	0.64
Methyl Propionate	0.71	0.71
n-Propyl Formate	0.93	0.93
Isopropyl Formate*	0.42	0.42
Ethyl Propionate	0.79	0.79
Isopropyl Acetate	1.12	1.12
Methyl Butyrate	1.18	1.18
Methyl Isobutyrate	0.70	0.70
n-Butyl Formate	0.95	0.95
Propyl Acetate	0.87	0.87
Ethyl Butyrate	1.25	1.25
Isobutyl Acetate	0.67	0.67
Methyl Pivalate (2,2-Dimethyl Propanoic Acid Methyl Ester)	0.39	0.39
n-Butyl Acetate	0.89	0.89
n-Propyl Propionate	0.93	0.93
s-Butyl Acetate	1.43	1.43
t-Butyl Acetate	0.20	0.20
Butyl Propionate	0.89	0.89
Amyl Acetate	0.96	0.96
n-Propyl Butyrate	1.17	1.17
Isoamyl Acetate (3-Methylbutyl Acetate)*	1.18	1.18
2-Methyl-1-Butyl Acetate*	1.17	1.17
EEP Solvent (Ethyl 3-Ethoxy Propionate)	3.61	3.61
2,3-Dimethylbutyl Acetate	0.84	0.84
2-Methylpentyl Acetate	1.11	1.11
3-Methylpentyl Acetate	1.31	1.31
4-Methylpentyl Acetate	0.92	0.92
Isobutyl Isobutyrate	0.61	0.61

n-Butyl Butyrate	1.12	1.12
n-Hexyl Acetate (Hexyl Acetate)	0.87	0.87
Methyl Amyl Acetate (4-Methyl-2-Pentanol Acetate)*	1.46	1.46
n-Pentyl Propionate*	0.79	0.79
2,4-Dimethylpentyl Acetate	0.98	0.98
2-Methylhexyl Acetate	0.89	0.89
3-Ethylpentyl Acetate	1.24	1.24
3-Methylhexyl Acetate	1.01	1.01
4-Methylhexyl Acetate	0.91	0.91
5-Methylhexyl Acetate	0.79	0.79
Isoamyl Isobutyrate	0.89	0.89
n-Heptyl Acetate (Heptyl Acetate)	0.73	0.73
2,4-Dimethylhexyl Acetate	0.93	0.93
2-Ethyl-Hexyl Acetate	0.79	0.79
3,4-Dimethylhexyl Acetate	1.16	1.16
3,5-Dimethylhexyl Acetate	1.09	1.09
3-Ethylhexyl Acetate	1.03	1.03
3-Methylheptyl Acetate	0.76	0.76
4,5-Dimethylhexyl Acetate	0.86	0.86
4-Methylheptyl Acetate	0.72	0.72
5-Methylheptyl Acetate	0.73	0.73
n-Octyl Acetate	0.64	0.64
2,3,5-Trimethylhexyl Acetate	0.86	0.86
2,3-Dimethylheptyl Acetate	0.84	0.84
2,4-Dimethylheptyl Acetate	0.88	0.88
2,5-Dimethylheptyl Acetate	0.86	0.86
2-Methyloctyl Acetate	0.63	0.63
3,5-Dimethylheptyl Acetate	1.01	1.01
3,6-Dimethylheptyl Acetate	0.87	0.87
3-Ethylheptyl Acetate	0.71	0.71
4,5-Dimethylheptyl Acetate	0.96	0.96
4,6-Dimethylheptyl Acetate	0.83	0.83
4-Methyloctyl Acetate	0.68	0.68
5-Methyloctyl Acetate	0.67	0.67
n-Nonyl Acetate	0.58	0.58
3,6-Dimethyloctyl Acetate	0.88	0.88
3-Isopropylheptyl Acetate	0.71	0.71
4,6-Dimethyloctyl Acetate	0.85	0.85
3,5,7-Trimethyloctyl Acetate	0.83	0.83
3-Ethyl-6-Methyloctyl Acetate	0.80	0.80
4,7-Dimethylnonyl Acetate	0.64	0.64
Methyl Dodecanoate (Methyl Laurate)*	0.53	0.53
2,3,5,7-Tetramethyloctyl Acetate	0.74	0.74
3,5,7-Trimethylnonyl Acetate	0.76	0.76
3,6,8-Trimethylnonyl Acetate	0.72	0.72
2,4,6,8-Tetramethylnonyl Acetate	0.63	0.63
3-Ethyl-6,7-Dimethylnonyl Acetate	0.76	0.76
4,7,9-Trimethyldecyl Acetate	0.55	0.55
Methyl Myristate (Methyl Tetradecanoate)*	0.47	0.47

2,3,5,6,8-Pentamethylnonyl Acetate	0.74	0.74
3,5,7,9-Tetramethyldecyl Acetate	0.58	0.58
5-Ethyl-3,6,8-Trimethylnonyl Acetate	0.77	0.77
Dimethyl Carbonate	0.06	0.06
Propylene Carbonate (4-Methyl-1,3-Dioxolan-2-one)	0.25	0.25
Methyl Lactate	2.75	2.75
2-Methoxyethyl Acetate	1.18	1.18
Ethyl Lactate	2.71	2.71
Methyl Isopropyl Carbonate	0.69	0.69
Propylene Glycol Monomethyl Ether Acetate (1-Methoxy-2-Propyl Acetate)	1.71	1.71
2-Ethoxyethyl Acetate	1.90	1.90
2-Methoxy-1-Propyl Acetate	1.12	1.12
Methoxypropanol Acetate*	1.97	1.97
Dimethyl Succinate	0.23	0.23
Ethylene Glycol Diacetate	0.72	0.72
1,2-Propylene Glycol Diacetate*	0.94	0.94
Diisopropyl Carbonate	1.04	1.04
Dimethyl Glutarate	0.51	0.51
Ethylene Glycol Monobutyl Ether Acetate (2-Butoxyethyl Acetate)	1.67	1.67
Dimethyl Adipate	1.95	1.95
2-(2-Ethoxyethoxy) Ethyl Acetate	1.50	1.50
Dipropylene Glycol n-Propyl Ether Isomer #1*	2.13	2.13
Dipropylene Glycol Methyl Ether Acetate Isomer #1*	1.41	1.41
Dipropylene Glycol Methyl Ether Acetate Isomer #2*	1.58	1.58
Dipropylene Glycol Methyl Ether Acetate*	1.49	1.49
Glyceryl Triacetate*	0.57	0.57
2-(2-Butoxyethoxy) Ethyl Acetate	1.38	1.38
Substituted C7 Ester (C12)	0.92	0.92
1-Hydroxy-2,2,4-Trimethylpentyl-3-Isobutyrate	0.92	0.92
3-Hydroxy-2,2,4-Trimethylpentyl-1-Isobutyrate	0.88	0.88
Hydroxy-2,2,4-Trimethylpentyl Isobutyrate Isomers (2,2,4-Trimethyl-1,3-Pentanediol Monoisobutyrate)	0.89	0.89
Substituted C9 Ester (C12)	0.89	0.89
Dimethyl Sebacate	0.48	0.48
Diisopropyl Adipate*	1.42	1.42
Ethylene Oxide	0.05	0.04
Propylene Oxide	0.32	0.32
1,2-Epoxybutane (Ethyl Oxirane)	1.02	1.02
Formic Acid	0.08	0.08
Acetic Acid	0.71	0.50
Glycolic Acid (Hydroxyacetic Acid)	2.67	2.67
Peracetic Acid (Peroxyacetic Acid)**	12.62	12.62
Acrylic Acid	11.66	11.66
Propionic Acid	1.16	0.79
Methacrylic Acid	18.78	18.78
Isobutyric Acid*	1.22	1.22
Butanoic Acid*	1.78	1.78
Malic Acid*	7.51	7.51
3-Methylbutanoic Acid*	4.26	4.26

Adipic Acid*	3.37	3.37
2-Ethyl Hexanoic Acid	4.41	3.49
Methyl Acrylate	12.24	12.24
Vinyl Acetate	3.26	3.26
2-Methyl-2-Butene-3-ol (1,2-Dimethylpropyl-1-en-1-ol)	5.12	5.12
Ethyl Acrylate	8.78	8.78
Methyl Methacrylate	15.84	15.84
Hydroxypropyl Acrylate*	5.56	5.56
n-Butyl Acrylate*	5.52	5.52
Isobutyl Acrylate*	5.05	5.05
Butyl Methacrylate	9.09	9.09
Isobutyl Methacrylate	8.99	8.99
Isobornyl Methacrylate**	8.64	8.64
a-Terpineol*	5.16	5.16
2-Ethyl-Hexyl Acrylate	2.42	2.42
Furan	16.54	16.54
Formaldehyde	8.97	8.97
Acetaldehyde	6.84	6.84
Propionaldehyde	7.89	7.89
2-Methylpropanal	5.87	5.87
Butanal	6.74	6.74
C4 Aldehydes	6.74	6.74
2,2-Dimethylpropanal (Pivaldehyde)	5.40	5.40
3-Methylbutanal (Isovaleraldehyde)	5.52	5.52
Pentanal (Valeraldehyde)	5.76	5.76
C5 Aldehydes	5.76	5.76
Glutaraldehyde	4.79	4.79
Hexanal	4.98	4.98
C6 Aldehydes	4.98	4.98
Heptanal	4.23	4.23
C7 Aldehydes	4.23	4.23
2-Methyl-Hexanal*	3.97	3.97
Octanal	3.65	3.65
C8 Aldehydes	3.65	3.65
Glyoxal	14.22	14.22
Methyl Glyoxal	16.21	16.21
Acrolein	7.60	7.60
Crotonaldehyde	10.07	10.07
Methacrolein	6.23	6.23
Hydroxy Methacrolein	6.61	6.61
Benzaldehyde	0.00	0.00
Tolualdehyde	0.00	0.00
Acetone	0.43	0.43
Cyclobutanone	0.68	0.68
Methyl Ethyl Ketone (2-Butanone)	1.49	1.49
Cyclopentanone	1.43	1.43
C5 Cyclic Ketones	1.43	1.43
Methyl Propyl Ketone (2-Pentanone)	3.07	3.07
3-Pentanone	1.45	1.45

C5 Ketones	3.07	3.07
Methyl Isopropyl Ketone*	1.64	1.64
2,4-Pentanedione*	1.02	1.02
Cyclohexanone	1.61	1.61
C6 Cyclic Ketones	1.61	1.61
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	4.31	4.31
Methyl n-Butyl Ketone (2-Hexanone)	3.55	3.55
Methyl t-Butyl Ketone	0.78	0.78
C6 Ketones	3.55	3.55
C7 Cyclic Ketones	1.41	1.41
Methyl Amyl Ketone (2-Heptanone)	2.80	2.80
2-Methyl-3-Hexanone	1.79	1.79
Di-Isopropyl Ketone	1.63	1.63
C7 Ketones	2.80	2.80
3-Methyl-2-Hexanone	2.81	2.81
Methyl Isoamyl Ketone (5-Methyl-2-Hexanone)	2.10	2.10
C8 Cyclic Ketones	1.25	1.25
2-Octanone	1.66	1.66
C8 Ketones	1.66	1.66
C9 Cyclic Ketones	1.13	1.13
2-Propyl Cyclohexanone*	1.71	1.71
4-Propyl Cyclohexanone*	2.08	2.08
2-Nonanone	1.30	1.30
Di-Isobutyl Ketone (2,6-Dimethyl-4-Heptanone)	2.94	2.94
C9 Ketones	1.30	1.30
C10 Cyclic Ketones	1.02	1.02
2-Decanone	1.06	1.06
C10 Ketones	1.06	1.06
2,6,8-Trimethyl-4-Nonanone; Isobutyl Heptyl Ketone*	1.86	1.86
Biacetyl	20.73	20.73
Methylvinyl ketone	8.73	8.73
Mesityl Oxide (2-Methyl-2-Penten-4-one)*	17.37	17.37
Isophorone (3,5,5-Trimethyl-2-Cyclohexenone)*	10.58	10.58
1-Nonene-4-one*	3.39	3.39
Hydroxy Acetone	3.08	3.08
Dihydroxyacetone*	4.02	4.02
Methoxy Acetone	2.14	2.14
Diacetone Alcohol (4-Hydroxy-4-Methyl-2-Pentanone)	0.68	0.68
Phenol	1.82	1.82
C7 Alkyl Phenols	2.34	2.34
m-Cresol	2.34	2.34
p-Cresol	2.34	2.34
o-Cresol	2.34	2.34
C8 Alkyl Phenols*	2.07	2.07
C9 Alkyl Phenols*	1.86	1.86
C10 Alkyl Phenols*	1.68	1.68
C11 Alkyl Phenols*	1.54	1.54
C12 Alkyl Phenols*	1.42	1.42
2-Phenoxyethanol; Ethylene Glycol Phenyl Ether*	3.61	3.61

1-Phenoxy-2-Propanol	1.73	1.73
Nitrobenzene	0.07	0.07
Para Toluene Isocyanate	0.93	0.93
Toluene Diisocyanate (Mixed Isomers)	0.00	0.00
Methylene Diphenylene Diisocyanate	0.79	0.79
N-Methyl Acetamide**	19.70	19.70
Dimethyl Amine	9.37	9.37
Ethyl Amine	7.80	7.80
Trimethyl Amine	7.06	7.06
Triethyl Amine**	16.60	16.60
Diethylenetriamine**	13.03	13.03
Ethanolamine	5.97	5.97
Dimethylaminoethanol	4.76	4.76
Monoisopropanol Amine (1-Amino-2-Propanol)**	13.42	13.42
2-Amino-2-Methyl-1-Propanol**	15.08	15.08
Diethanol Amine	4.05	4.05
Triethanolamine	2.76	2.76
Methyl Pyrrolidone (N-Methyl-2-Pyrrolidone)	2.56	2.56
Morpholine**	15.43	15.43
Nitroethane**	12.79	12.79
Nitromethane**	7.86	7.86
1-Nitropropane**	16.16	16.16
2-Nitropropane**	16.16	16.16
Dexpanthenol (Pantothenylol)**	9.35	9.35
Methyl Ethyl Ketoxime (Ethyl Methyl Ketone Oxime)**	22.04	22.04
Hydroxyethylethylene Urea**	14.75	14.75
Methyl Chloride	0.03	0.03
Methylene Chloride (Dichloromethane)	0.07	0.07
Methyl Bromide	0.02	0.02
Chloroform	0.03	0.03
Carbon Tetrachloride*	0.00	0.00
Methylene Bromide*	0.00	0.00
Vinyl Chloride	2.92	2.92
Ethyl Chloride	0.25	0.25
1,1-Dichloroethane	0.10	0.10
1,2-Dichloroethane	0.10	0.10
Ethyl Bromide	0.11	0.11
1,1,1-Trichloroethane	0.00	0.00
1,1,2-Trichloroethane	0.06	0.06
1,2-Dibromoethane	0.05	0.05
n-Propyl Bromide	0.35	0.35
n-Butyl Bromide	0.60	0.60
trans-1,2-Dichloroethene	0.81	0.81
Trichloroethylene	0.60	0.60
Perchloroethylene	0.04	0.04
2-(Chloro-Methyl)-3-Chloro Propene	1.13	1.13
Monochlorobenzene	0.36	0.36
p-Dichlorobenzene	0.20	0.20
Benzotrifluoride	0.26	0.26

PCBTF (p-Trifluoromethyl-Cl-Benzene)	0.11	0.11
HFC-134a (1,1,1,2-Tetrafluoroethane)**	0.00	0.00
HFC-152a (1,1-Difluoroethane)**	0.00	0.00
Dimethyl Sulfoxide	6.90	6.90
Unspeciated C6 Alkanes*	1.48	1.48
Unspeciated C7 Alkanes*	1.79	1.79
Unspeciated C8 Alkanes*	1.64	1.64
Unspeciated C9 Alkanes*	2.13	2.13
Unspeciated C10 Alkanes*	1.16	1.16
Unspeciated C11 Alkanes*	0.90	0.90
Unspeciated C12 Alkanes*	0.81	0.81
Unspeciated C13 Alkanes*	0.73	0.73
Unspeciated C14 Alkanes*	0.67	0.67
Unspeciated C15 Alkanes*	0.61	0.61
Unspeciated C16 Alkanes*	0.55	0.55
Unspeciated C17 Alkanes*	0.52	0.52
Unspeciated C18 Alkanes*	0.49	0.49
Unspeciated C10 Aromatics*	5.48	5.48
Unspeciated C11 Aromatics*	4.96	4.96
Unspeciated C12 Aromatics*	4.53	4.53
Base ROG Mixture	3.71	3.71
Alkane, Mixed – Predominantly (Minimally 94%) C13-14	0.67	0.67
Oxo-Hexyl Acetate	1.03	1.03
Oxo-Heptyl Acetate	0.97	0.97
Oxo-Octyl Acetate	0.96	0.96
Oxo-Nonyl Acetate	0.85	0.85
Oxo-Decyl Acetate	0.83	0.83
Oxo-Dodecyl Acetate	0.72	0.72
Oxo-Tridecyl Acetate	0.67	0.67

* This reactive organic compound was added to the Table of MIR Values on [30 days after the amendments are approved by the Office of Administrative Law], and may be used in aerosol coating products after this date, as specified in section 94522(h)(2)(B), title 17, California Code of Regulations

** ULMIR (as defined in section 94521(a)(71), title 17, California Code of Regulations.)

NOTE: Authority cited: Sections 39600, 39601, and 41712, Health and Safety Code. Reference: Sections 39002, 39600, 40000 and 41712, Health and Safety Code.