AUTHENTICATED
U.S. GOVERNMENT
INFORMATION
GPO

Coating category	Category code [a]	Reactivity limit (g O_3/g product)
Corrosion Resistant Brass, Bronze, or Copper Coatings	CRB	1.80
Exact Match Finish—Engine Enamel	EEE	1.70
Exact Match Finish—Automotive	EFA	1.50
Exact Match Finish—Industrial	EFI	2.05
Floral Sprays	FSP	1.70
Glass Coatings	GCP	1.40
High Temperature Coatings	HTC	1.85
Hobby/Model/Craft Coatings, Enamel	HME	1.45
Hobby/Model/Craft Coatings, Lacquer	HML	2.70
Hobby/Model/Craft Coatings, Clear or Metallic	HMC	1.60
Marine Spar Varnishes	MSV	0.90
Photograph Coatings	PHC	1.00
Pleasure Craft Primers, Surfacers or Undercoaters	PCS	1.05
Pleasure Craft Topcoats	PCT	0.60
Polyolefin Adhesion Promoters	PAP	2.50
Shellac Sealers, Clear	SSC	1.00
Shellac Sealers, Pigmented	SSP	0.95
Slip-Resistant Coatings	SRC	2.45
Spatter/Multicolor Coatings	SMC	1.05
Vinyl/Fabric/Leather/Polycarbonate Coatings	VFL	1.55
Webbing/Veiling Coatings	WFC	0.85
Weld-Through Primers	WTP	1.00
Wood Stains	WSP	1.40
Wood Touch-up/Repair or Restoration Coatings	WTR	1.50

[a] Regulated entities may use these category codes or define their own in accordance with §59.511(b)(6).

[77 FR 14283, Mar. 9, 2012]

TABLE 2A TO SUBPART E OF PART 59—REACTIVITY FACTORS

Compound	CAS No.	Reactivity factor (g O_3/g VOC)
Formaldehyde	50–00–0	8.97
Glycerol (1,2,3-Propanetriol)	56–81–5	3.27
Propylene Glycol	57–55–6	2.75
Ethanol	64–17–5	1.69
Formic Acid	64–18–6	0.08
Acetic Acid	64–19–7	0.71
Methanol	67–56–1	0.71
Isopropyl Alcohol (2-Propanol)	67–63–0	0.71
Acetone (Propanone)	67–64–1	0.43
n-Propanol (n-Propyl Alcohol)	71–23–8	2.74
n-Butyl Alcohol (Butanol)	71–36–3	3.34
n-Pentanol (Amyl Alcohol)	71–41–0	3.35
Benzene	71–43–2	0.81
1,1,1-Trichloroethane	71–55–6	0.00
Propane	74–98–6	0.56
Vinyl Chloride	75–01–4	2.92
Acetaldehyde	75–07–0	6.84
Methylene Chloride (Dichloromethane)	75–09–2	0.07
Ethylene Oxide	75–21–8	0.05
Isobutane	75–28–5	1.35
HFC–152A (1,1-Difluoroethane)	75–37–6	0.00
Propylene Oxide	75–56–9	0.32
t-Butyl Alcohol	75–65–0	0.45
Methyl t-Butyl Ketone	75–97–8	0.78
Isophorone (3,5,5-Trimethyl-2-Cyclohexenone)	78–59–1	10.58
Isopentane	78–78–4	1.68
Isobutanol	78–83–1	2.24
2-Butanol (s-Butyl Alcohol)	78–92–2	1.60
Methyl Ethyl Ketone (2-Butanone)	78–93–3	1.49
Monoisopropanol Amine (1-Amino-2-Propanol)	78–96–6	13.42
Trichloroethylene	79–01–6	0.60
Propionic Acid	79–09–4	1.16
Acrylic Acid	79–10–7	11.66
Methyl Acetate	79–20–9	0.07
Nitroethane	79–24–3	12.79
Methacrylic Acid	79–41–4	18.78
a-Pinene (Pine Oil)	80–56–8	4.29
Methyl Methacrylate	80–62–6	15.84

Compound	CAS No.	Reactivity factor (g O_3/g VOC)
Naphthalene	91–20–3	3.26
Xylene, ortho-	95–47–6	7.49
o-Cresol	95–48–7	2.34
1,2,4-Trimethylbenzene	95–63–6	7.18
3-Pentanone	96–22–0	1.45
Methyl Ethyl Ketoxime (Ethyl Methyl Ketone Oxime)	96–29–7	22.04
gamma-Butyrolactone	96–48–0	1.15
Ethyl Lactate	97–64–3	2.71
Isobutyl Isobutyrate	97–85–8	0.61
Isobutyl Methacrylate	97–86–9	8.99
Butyl Methacrylate	97–88–1	9.09
Benzotrifluoride	98–08–8	0.26
PCBTF (p-Trifluoromethyl-Cl-Benzene)	98–56–6	0.11
Cumene (Isopropyl Benzene)	98–82–8	2.32
a-Methyl Styrene	98–83–9	1.72
Ethyl Benzene	100–41–4	2.79
Styrene	100–42–5	1.95
Benzaldehyde	100–52–7	0.00
Triethanolamine	102–71–6	2.76
2-Ethyl-Hexyl Acetate	103–09–3	0.79
2-Ethyl-Hexyl Acrylate	103–11–7	2.42
2-Ethyl-1-Hexanol (Ethyl Hexyl Alcohol)	104–76–7	2.20
Ethyl Propionate	105–37–3	0.79
s-Butyl Acetate	105–46–4	1.43
n-Propyl Propionate	106–36–5	0.93
Xylene, para-	106–42–3	4.25
p-Dichlorobenzene	106–46–7	0.20
Dimethyl Succinate	106–65–0	0.23
1,2-Epoxybutane (Ethyl Oxirane)	106–88–7	1.02
n-Propyl Bromide	106–94–5	0.35
Butane	106–97–8	1.33
1,3-Butadiene	106–99–0	13.58
Ethylene Glycol	107–21–1	3.36
2-Methyl-2,4-Pentanediol	107–41–5	1.04
Hexamethyldisiloxane	107–46–0	0.00
Isohexane Isomers	107–83–5	1.80
Methyl n-Propyl Ketone (2-Pentanone)	107–87–9	3.07
Propylene Glycol Monmethyl Ether (1-Methoxy-2-Propanol)	107–98–2	2.62
n,n-Dimethylethanolamine	108–01–0	4.76
1-Nitropropane	108–03–2	16.16
Vinyl Acetate	108–05–4	3.26
Methyl Isobutyl Ketone	108–10–1	4.31
Isopropyl Acetate	108–21–4	1.12
Propylene Carbonate (4-Methyl-1,3-Dioxolan-2one)	108–32–7	0.25
Xylene, meta-	108–38–3	10.61
Propylene Glycol Monomethyl Ether Acetate (1-Methoxy-2-Propyl Acetate)	108–65–6	1.71
1,3,5-Trimethyl Benzene	108–67–8	11.22
Di-Isobutyl Ketone (2,6-Dimethyl-4-Heptanone)	108–83–8	2.94
Methylcyclohexane	108–87–2	1.99
Toluene	108–88–3	3.97
Monochlorobenzene	108–90–7	0.36
Cyclohexanol	108–93–0	2.25
Cyclohexanone	108–94–1	1.61
n-Butyl Butyrate	109–21–7	1.12
Propyl Acetate	109–60–4	0.87
Pentane	109–66–0	1.54
Ethylene Glycol Monomethyl Ether (2-Methoxyethanol)	109–86–4	2.98
Tetrahydrofuran	109–99–9	4.95
Methyl Isoamyl Ketone (5-Methyl-2-Hexanone)	110–12–3	2.10
Isobutyl Acetate	110–19–0	0.67
Methyl Amyl Ketone	110–43–0	2.80
Hexane	110–54–3	1.45
n-Propyl Formate	110–74–7	0.93
2-Ethoxyethanol	110–80–5	3.78
Cyclohexane	110–82–7	1.46
Morpholine	110–91–8	15.43
Dipropylene Glycol	110–98–5	2.48
Ethylene Glycol Monoethyl Ether Acetate (2-Ethoxyethyl Acetate)	111–15–9	1.90
Diethylenetriamine	111–40–0	13.03
Diethanolamine	111–42–2	4.05
Diethylene Glycol	111–46–6	3.55
n-Octane	111–65–9	1.11

Compound	CAS No.	Reactivity factor (g O_3/g VOC)
2-Butoxy-1-Ethanol (Ethylene Glycol Monobutyl Ether)	111–76–2	2.90
Diethylene Glycol Methyl Ether (2-(2-Methoxyethoxy) Ethanol)	111–77–3	2.90
n-Nonane	111–84–2	0.95
2-(2-Ethoxyethoxy) Ethanol	111–90–0	3.19
Ethylene Glycol Monobutyl Ether Acetate (2-Butoxyethyl Acetate)	112–07–2	1.67
2-(2-Ethoxyethoxy) Ethyl Acetate	112–15–2	1.50
2-(2-Butoxyethoxy)-Ethanol	112–34–5	2.70
Dimethyl Ether	115–10–6	0.93
Triethylamine	121–44–8	16.60
2-Phenoxyethanol; Ethylene Glycol Phenyl Ether	122–99–6	3.61
Diacetone Alcohol	123–42–2	0.68
2,4-Pentanedione	123–54–6	1.02
Butanal	123–72–8	6.74
Butyl Acetate, n	123–86–4	0.89
2-(2-Butoxyethoxy) Ethyl Acetate	124–17–4	1.38
2-Amino-2-Methyl-1-Propanol	124–68–5	15.08
Perchloroethylene	127–18–4	0.04
Ethanolamine	141–43–5	5.97
Ethyl acetate	141–78–6	0.64
Heptane	142–82–5	1.28
n-Hexyl Acetate (Hexyl Acetate)	142–92–7	0.87
2-Ethyl Hexanoic Acid	149–57–5	4.41
1,2,3-Trimethyl Benzene	526–73–8	11.26
t-Butyl Acetate	540–88–5	0.20
Methyl Isobutyrate	547–63–7	0.70
Methyl Lactate	547–64–8	2.75
Methyl Propionate	554–12–1	0.71
1,2 Butanediol	584–03–2	2.21
n-Butyl Propionate	590–01–2	0.89
Methyl n-Butyl Ketone (2-Hexanone)	591–78–6	3.55
Dimethyl carbonate	616–38–6	0.06
Ethyl Isopropyl Ether	625–54–7	3.86
Dimethyl Adipate	627–93–0	1.95
Methy n-Butyl Ether	628–28–4	3.66
Amyl Acetate (Pentyl Ethanoate, Pentyl Acetate)	628–63–7	0.96
Ethyl n-Butyl Ether	628–81–9	3.86
Ethyl t-Butyl Ether	637–92–3	2.11
1,3-Dioxolane	646–06–0	5.47
Ethyl-3-Ethoxypropionate	763–69–9	3.61
Methyl Pyrrolidone (n-Methyl-2-Pyrrolidone)	872–50–4	2.56
Dimethyl Gluterate	1119–40–0	0.51
Ethylene Glycol 2-Ethylhexyl Ether [2-(2-Ethylhexyloxy) Ethanol]	1559–35–9	1.71
Propylene Glycol Monopropyl Ether (1-Propoxy-2-Propanol)	1569–01–3	2.86
Propylene Glycol Monoethyl Ether (1-Ethoxy-2-Propanol)	1569–02–4	3.25
2-Methoxy-1-Propanol	1589–47–5	3.01
Methyl t-Butyl Ether	1634–04–4	0.78
Ethylcyclohexane	1678–91–7	1.75
Isoamyl Isobutyrate	2050–01–3	0.89
2-Propoxyethanol (Ethylene Glycol Monopropyl Ether)	2807–30–9	3.52
n-Butoxy-2-Propanol	5131–66–8	2.70
d-Limonene (Dipentene or Orange Terpene)	5989–27–5	3.99
Dipropylene Glycol Methyl Ether Isomer (2-[2Methoxypropoxy]-1-Propanol)	13588–28–8	3.02
Texanol (1,3 Pentanediol, 2,2,4-Trimethyl, 1-Isobutyrate)	25265–77–4	0.89
Isodecyl Alcohol (8-Methyl-1-Nonanol)	25339–17–7	1.23
Tripropylene Glycol Monomethyl Ether	25498–49–1	1.90
Glycol Ether DPNB (1-(2-Butoxy-1-Methylethoxy) 2-Propanol)	29911–28–2	1.96
Propylene Glycol t-Butyl Ether (1-tert-Butoxy-2-Propanol)	57018–52–7	1.71
2-Methoxy-1-Propyl Acetate	70657–70–4	1.12
Oxo-Heptyl Acetate	90438–79–2	0.97
2-tert-Butoxy-1-Propanol	94023–15–1	1.81
Oxo-Octyl Acetate	108419–32–5	0.96
C8 Disubstituted Benzenes	na	7.48
C9 Styrenes	na	1.72

[77 FR 14284, Mar. 9, 2012]