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

Compound	CAS No.	Reactivity factor
1-Butanol	71–36–3	3.34
1,2,4-Trimethylbenzene	95–63–6	7.18
2-Butanol (s-Butyl alcohol)	78–92–2	1.60
2-Butoxy-1-Ethanol (Ethylene glycol monobutyl ether)	111–76–2	1.67
2-Propoxyethanol (ethylene glycol monopropyl ether)	2807–30–9	3.52
Acetone (Propanone)	67–64–1	0.43
Amyl acetate (Pentyl ethanoate, pentyl acetate)	628–63–7	0.96
Butane	106–97–8	1.33
Butyl acetate, n	123–86–4	0.89
Cyclohexanone	108–94–1	1.61
Di (2-ethylhexyl phthalate)	117–81–7	.....
Diacetone alcohol	123–42–2	0.68
Diethanolamine	111–42–2	4.05
Diisobutyl ketone	108–83–8	2.94
Dimethyl ether	115–10–6	0.93
Ethanol	64–17–5	1.69
Ethyl acetate	141–78–6	0.64
Ethyl benzene	100–41–4	2.79
Ethyl-3-Ethoxypropionate	763–69–9	3.61
Ethylene glycol monoethyl ether acetate (2-Ethoxyethyl acetate)	111–15–9	1.9
Heptane	142–82–5	1.28
Hexane	110–54–3	1.45
Isobutane	75–28–6	1.35
Isobutanol	78–83–1	2.24
Isobutyl Acetate	110–19–0	0.67
Isohexane Isomers	107–83–5	1.80
Isopropyl alcohol (2-Propanol)	67–63–0	0.71
Methanol	67–56–1	0.71
Methyl amyl ketone	110–43–0	2.80
Methyl ethyl ketone (2-Butanone)	78–93–3	1.49
Methyl isobutyl ketone	108–10–1	4.31
Methyl n-Propyl Ketone (2-Pentanone)	107–87–9	3.07
N,N-Dimethylethanolamine	108–01–0	4.76
N-Butyl alcohol (Butanol)	71–36–3	3.34
Pentane	109–66–0	1.54
Propane	74–98–6	0.56
Propylene glycol	57–55–6	2.75
Propylene glycol monomethyl ether acetate	108–65–6	1.71
Texanol (1,3 Pentanediol, 2,2,4-trimethyl, 1-isobutyrate)	25265–77–4	0.89
Toluene	108–88–3	3.97
Vinyl Chloride	75–01–4	2.92
Xylene, meta-	108–38–3	10.61
Xylene, ortho-	95–47–6	7.49
Xylene, para-	106–42–3	4.25

TABLE 2B TO SUBPART E OF PART 59—REACTIVITY FACTORS FOR ALIPHATIC HYDROCARBON SOLVENT MIXTURES

Bin	Average boiling point* (degrees F)	Criteria	Reactivity factor
1	80–205	Alkanes (< 2% Aromatics)	2.08
2	80–205	N– & Iso-Alkanes (≥ 90% and < 2% Aromatics)	1.59
3	80–205	Cyclo-Alkanes (≥ 90% and < 2% Aromatics)	2.52
4	80–205	Alkanes (2 to < 8% Aromatics)	2.24
5	80–205	Alkanes (8 to 22% Aromatics)	2.56
6	>205–340	Alkanes (< 2% Aromatics)	1.41
7	>205–340	N– & Iso-Alkanes (≥ 90% and < 2% Aromatics)	1.17
8	>205–340	Cyclo-Alkanes (≥ 90% and < 2% Aromatics)	1.65
9	>205–340	Alkanes (2 to < 8% Aromatics)	1.62
10	>205–340	Alkanes (8 to 22% Aromatics)	2.03
11	>340–460	Alkanes (< 2% Aromatics)	0.91
12	>340–460	N– & Iso-Alkanes (≥ 90% and < 2% Aromatics)	0.81
13	>340–460	Cyclo-Alkanes (≥ 90% and < 2% Aromatics)	1.01
14	>340–460	Alkanes (2 to < 8% Aromatics)	1.21
15	>340–460	Alkanes (8 to 22% Aromatics)	1.82
16	>460–580	Alkanes (< 2% Aromatics)	0.57
17	>460–580	N- & Iso-Alkanes (≥ 90% and < 2% Aromatics)	0.51
18	>460–580	Cyclo-Alkanes (≥ 90% and < 2% Aromatics)	0.63

Bin	Average boiling point* (degrees F)	Criteria	Reactivity factor
19	>460–580	Alkanes (2 to < 8% Aromatics)	0.88
20	>460–580	Alkanes (8 to 22% Aromatics)	1.49

*Average Boiling Point = (Initial Boiling Point + Dry Point) / 2 (b) Aromatic Hydrocarbon Solvents

TABLE 2C TO SUBPART E OF PART 59—REACTIVITY FACTORS FOR AROMATIC HYDROCARBON SOLVENT MIXTURES

Bin	Boiling range (degrees F)	Criteria	Reactivity factor
21	280–290	Aromatic Content (≥98%)	7.37
22	320–350	Aromatic Content (≥98%)	7.51
23	355–420	Aromatic Content (≥98%)	8.07
24	450–535	Aromatic Content (≥98%)	5.00

Subpart F—Control of Evaporative Emissions From New and In-Use Portable Fuel Containers

SOURCE: 72 FR 8533, Feb. 26, 2007, unless otherwise noted.

OVERVIEW AND APPLICABILITY

§ 59.600 Does this subpart apply for my products?

(a) Except as provided in § 59.605 and paragraph (b) of this section, the regulations in this subpart F apply for all portable fuel containers (defined in § 59.680) that are manufactured on or after January 1, 2009.

(b) See § 59.602 (a) and (b) to determine how to apply the provisions of this subpart for containers that were manufactured before January 1, 2009.

§ 59.601 Do the requirements of this subpart apply to me?

(a) Unless specified otherwise in this subpart, the requirements and prohibitions of this subpart apply to all manufacturers and importers of portable fuel containers. Certain prohibitions in § 59.602 apply to all other persons.

(b) New portable fuel containers that are subject to the emissions standards of this part must be covered by a certificate of conformity that is issued to the manufacturer of the container. If more than one person meets the definition of manufacturer for a portable fuel container, see § 59.621 to determine if you are the manufacturer who may apply for and receive a certificate of conformity.

(c) Unless specifically noted otherwise, the term ''you'' means manufacturers, as defined in § 59.680.

§ 59.602 What are the general prohibitions and requirements of this subpart?

(a) *General prohibition for manufacturers and importers.* No manufacturer or importer may sell, offer for sale, introduce or deliver for introduction into commerce in the United States, or import any new portable fuel container that is subject to the emissions standards of this subpart and is manufactured after December 31, 2008 unless it is covered by a valid certificate of conformity, it is labeled as required, and it complies with all of the applicable requirements of this subpart, including compliance with the emissions standards for its useful life. After June 30, 2009, no manufacturer or importer may sell, offer for sale, introduce or deliver into commerce in the United States, or import any new portable fuel container that was manufactured prior to January 1, 2009 unless it meets the requirements of this subpart.

(b) *General prohibition for wholesale distributors.* No wholesale distributor may sell, offer for sale, or distribute any portable fuel container in the United States that is subject to the emissions standards of this subpart and is manufactured after December 31, 2008 unless it is covered by a valid certificate of conformity and is labeled as required. After December 31, 2009, no wholesale distributor may sell, offer for sale, or distribute in the United States any portable fuel container that