

§ 60.489

40 CFR Ch. I (7-1-12 Edition)

which are commenced within any 2-year period following the applicability date for the appropriate subpart. (See the “Applicability and designation of affected facility” section of the appropriate subpart.) For purposes of this paragraph, “commenced” means that an owner or operator has undertaken a continuous program of component replacement or that an owner or operator has entered into a contractual obligation to undertake and complete, within a reasonable time, a continuous program of component replacement.

[49 FR 22608, May 30, 1984]

§ 60.489 List of chemicals produced by affected facilities.

The following chemicals are produced, as intermediates or final products, by process units covered under this subpart. The applicability date for process units producing one or more of these chemicals is January 5, 1981.

CAS No. ^a	Chemical
105-57-7	Acetal.
75-07-0	Acetaldehyde.
107-89-1	Acetaldol.
60-35-5	Acetamide.
103-84-4	Acetanilide.
64-19-7	Acetic acid.
108-24-7	Acetic anhydride.
67-64-1	Acetone.
75-86-5	Acetone cyanohydrin.
75-05-8	Acetonitrile.
98-86-2	Acetophenone.
75-36-5	Acetyl chloride.
74-86-2	Acetylene.
107-02-8	Acrolein.
79-06-1	Acrylamide.
79-10-7	Acrylic acid.
107-13-1	Acrylonitrile.
124-04-9	Adipic acid.
111-69-3	Adiponitrile.
(^b)	Alkyl naphthalenes.
107-18-6	Allyl alcohol.
107-05-1	Allyl chloride.
1321-11-5	Aminobenzoic acid.
111-41-1	Aminoethylethanolamine.
123-30-8	p-Aminophenol.
628-63-7, 123-92-2.	Amyl acetates.
71-41-0 ^c	Amyl alcohols.
110-58-7	Amyl amine.
543-59-9	Amyl chloride.
110-66-7 ^c	Amyl mercaptans.
1322-06-1	Amyl phenol.
62-53-3	Aniline.
142-04-1	Aniline hydrochloride.
29191-52-4	Anisidine.
100-66-3	Anisole.
118-92-3	Anthranilic acid.
84-65-1	Anthraquinone.
100-52-7	Benzaldehyde.
55-21-0	Benzamide.
71-43-2	Benzene.
98-48-6	Benzenedisulfonic acid.

CAS No. ^a	Chemical
98-11-3	Benzenesulfonic acid.
134-81-6	Benzil.
76-93-7	Benzilic acid.
65-85-0	Benzoic acid.
119-53-9	Benzoin.
100-47-0	Benzonitrile.
119-61-9	Benzophenone.
98-07-7	Benzotrichloride.
98-88-4	Benzoyl chloride.
100-51-6	Benzyl alcohol.
100-46-9	Benzylamine.
120-51-4	Benzyl benzoate.
100-44-7	Benzyl chloride.
98-87-3	Benzyl dichloride.
92-52-4	Biphenyl.
80-05-7	Bisphenol A.
10-86-1	Bromobenzene.
27497-51-4	Bromonaphthalene.
106-99-0	Butadiene.
106-98-9	1-butene.
123-86-4	n-butyl acetate.
141-32-2	n-butyl acrylate.
71-36-3	n-butyl alcohol.
78-92-2	s-butyl alcohol.
75-65-0	t-butyl alcohol.
109-73-9	n-butylamine.
13952-84-6	s-butylamine.
75-64-9	t-butylamine.
98-73-7	p-tert-butyl benzoic acid.
107-88-0	1,3-butylene glycol.
123-72-8	n-butyraldehyde.
107-92-6	Butyric acid.
106-31-0	Butyric anhydride.
109-74-0	Butyronitrile.
105-60-2	Caprolactam.
75-1-50	Carbon disulfide.
558-13-4	Carbon tetrabromide.
56-23-5	Carbon tetrachloride.
9004-35-7	Cellulose acetate.
79-11-8	Chloroacetic acid.
108-42-9	m-chloroaniline.
95-51-2	o-chloroaniline.
106-47-8	p-chloroaniline.
35913-09-8	Chlorobenzaldehyde.
108-90-7	Chlorobenzene.
118-91-2, 535-80-8, 74-11-3 ^c .	Chlorobenzoic acid.
2136-81-4, 2136-89-2, 5216-25-1 ^c .	Chlorobenzotrichloride.
1321-03-5	Chlorobenzoyl chloride.
25497-29-4	Chlorodifluoromethane.
75-45-6	Chlorodifluoroethane.
67-66-3	Chloroform.
25586-43-0	Chloronaphthalene.
88-73-3	o-chloronitrobenzene.
100-00-5	p-chloronitrobenzene.
25167-80-0	Chlorophenols.
126-99-8	Chloroprene.
7790-94-5	Chlorosulfonic acid.
108-41-8	m-chlorotoluene.
95-49-8	o-chlorotoluene.
106-43-4	p-chlorotoluene.
75-72-9	Chlorotrifluoromethane.
108-39-4	m-cresol.
95-48-7	o-cresol.
106-44-5	p-cresol.
1319-77-3	Mixed cresols.
1319-77-3	Cresylic acid.
4170-30-0	Crotonaldehyde.
3724-65-0	Crotonic acid.
98-82-8	Cumene.
80-15-9	Cumene hydroperoxide.

Environmental Protection Agency

§ 60.489

CAS No. ^a	Chemical	CAS No. ^a	Chemical
372-09-8	Cyanoacetic acid.	100-41-4	Ethylbenzene.
506-77-4	Cyanogen chloride.	74-96-4	Ethyl bromide.
108-80-5	Cyanuric acid.	9004-57-3	Ethylcellulose.
108-77-0	Cyanuric chloride.	75-00-3	Ethyl chloride.
110-82-7	Cyclohexane.	105-39-5	Ethyl chloroacetate.
108-93-0	Cyclohexanol.	105-56-6	Ethylcyanoacetate.
108-94-1	Cyclohexanone.	74-85-1	Ethylene.
110-83-8	Cyclohexene.	96-49-1	Ethylene carbonate.
108-91-8	Cyclohexylamine.	107-07-3	Ethylene chlorohydrin.
111-78-4	Cyclooctadiene.	107-15-3	Ethylenediamine.
112-30-1	Decanol.	106-93-4	Ethylene dibromide.
123-42-2	Diacetone alcohol.	107-21-1	Ethylene glycol.
27576-04-1	Diaminobenzoic acid.	111-55-7	Ethylene glycol diacetate.
95-76-1, 95-82-9, 554-00-7, 608-27-5, 608-31-1, 626-43-7, 27134-27-6, 57311-92-9	Dichloroaniline.	110-71-4	Ethylene glycol dimethyl ether.
541-73-1	m-dichlorobenzene.	111-76-2	Ethylene glycol monobutyl ether.
95-50-1	o-dichlorobenzene.	112-07-2	Ethylene glycol monobutyl ether acetate.
106-46-7	p-dichlorobenzene.	110-80-5	Ethylene glycol monoethyl ether.
75-71-8	Dichlorodifluoromethane.	111-15-9	Ethylene glycol monomethyl ether acetate.
111-44-4	Dichloroethyl ether.	109-86-4	Ethylene glycol monomethyl ether.
107-06-2	1,2-dichloroethane (EDC).	110-49-6	Ethylene glycol monomethyl ether acetate.
96-23-1	Dichlorohydrin.	122-99-6	Ethylene glycol monophenyl ether.
26952-23-8	Dichloropropene.	2807-30-9	Ethylene glycol monopropyl ether.
101-83-7	Dicyclohexylamine.	75-21-8	Ethylene oxide.
109-89-7	Diethylamine.	60-29-7	Ethyl ether
111-46-6	Diethylene glycol.	104-76-7	2-ethylhexanol.
112-36-7	Diethylene glycol diethyl ether.	122-51-0	Ethyl orthoformate.
111-96-6	Diethylene glycol dimethyl ether.	95-92-1	Ethyl oxalate.
112-34-5	Diethylene glycol monobutyl ether.	41892-71-1	Ethyl sodium oxalacetate.
124-17-4	Diethylene glycol monobutyl ether acetate.	50-00-0	Formaldehyde.
111-90-0	Diethylene glycol monoethyl ether.	75-12-7	Formamide.
112-15-2	Diethylene glycol monoethyl ether acetate.	64-18-6	Formic acid.
111-77-3	Diethylene glycol monomethyl ether.	110-17-8	Fumaric acid.
64-67-5	Diethyl sulfate.	98-01-1	Furfural.
75-37-6	Difluoroethane.	56-81-5	Glycerol.
25167-70-8	Diisobutylene.	26545-73-7	Glycerol dichlorohydrin.
26761-40-0	Diisodecyl phthalate.	25791-96-2	Glycerol triether.
27554-26-3	Diisooctyl phthalate.	56-40-6	Glycine.
674-82-8	Diketene.	107-22-2	Glyoxal.
124-40-3	Dimethylamine.	118-74-1	Hexachlorobenzene.
121-69-7	N,N-dimethylaniline.	67-72-1	Hexachloroethane.
115-10-6	N,N-dimethyl ether.	36653-82-4	Hexadecyl alcohol.
68-12-2	N,N-dimethylformamide.	124-09-4	Hexamethylenediamine.
57-14-7	Dimethylhydrazine.	629-11-8	Hexamethylene glycol.
77-78-1	Dimethyl sulfate.	100-97-0	Hexamethylenetetramine.
75-18-3	Dimethyl sulfide.	74-90-8	Hydrogen cyanide.
67-68-5	Dimethyl sulfoxide.	123-31-9	Hydroquinone.
120-61-6	Dimethyl terephthalate.	99-96-7	p-hydroxybenzoic acid.
99-34-3	3,5-dinitrobenzoic acid.	26760-64-5	Isoamylene.
51-28-5	Dinitrophenol.	78-83-1	Isobutanol.
25321-14-6	Dinitrotoluene.	110-19-0	Isobutyl acetate.
123-91-1	Dioxane.	115-11-7	Isobutylene.
646-06-0	Dioxilane.	78-84-2	Isobutyraldehyde.
122-39-4	Diphenylamine.	79-31-2	Isobutyric acid.
101-84-8	Diphenyl oxide.	25339-17-7	Isodecanol.
102-08-9	Diphenyl thiourea.	26952-21-6	Isooctyl alcohol.
25265-71-8	Dipropylene glycol.	78-78-4	Isopentane.
25378-22-7	Dodecene.	78-59-1	Isophorone.
28675-17-4	Dodecylaniline.	121-91-5	Isophthalic acid.
27193-86-8	Dodecylphenol.	78-79-5	Isoprene.
106-89-8	Epichlorohydrin.	67-63-0	Isopropanol.
64-17-5	Ethanol.	108-21-4	Isopropyl acetate.
141-43-5	Ethanolamines.	75-31-0	Isopropylamine.
141-78-6	Ethyl acetate.	75-29-6	Isopropyl chloride.
141-97-9	Ethyl acetoacetate.	25168-06-3	Isopropylphenol.
140-88-5	Ethyl acrylate.	463-51-4	Ketene.
75-04-7	Ethylamine.	(^b)	Linear alkyl sulfonate.
		123-01-3	Linear alkylbenzene (linear dodecylbenzene).
		110-16-7	Maleic acid.
		108-31-6	Maleic anhydride.
		6915-15-7	Malic acid.
		141-79-7	Mesityl oxide.
		121-47-1	Metanilic acid.

§ 60.489

40 CFR Ch. I (7-1-12 Edition)

CAS No. ^a	Chemical
79-41-4	Methacrylic acid.
563-47-3	Methallyl chloride.
67-56-1	Methanol.
79-20-9	Methyl acetate.
105-45-3	Methyl acetoacetate.
74-89-5	Methylamine.
100-61-8	n-methylaniline.
74-83-9	Methyl bromide.
37365-71-2	Methyl butynol.
74-87-3	Methyl chloride.
108-87-2	Methylcyclohexane.
1331-22-2	Methylcyclohexanone.
75-09-2	Methylene chloride.
101-77-9	Methylene dianiline.
101-68-8	Methylene diphenyl diisocyanate.
78-93-3	Methyl ethyl ketone.
107-31-3	Methyl formate.
108-11-2	Methyl isobutyl carbinol.
108-10-1	Methyl isobutyl ketone.
80-62-6	Methyl methacrylate.
77-75-8	Methylpentynol.
98-83-9	a-methylstyrene.
110-91-8	Morpholine.
85-47-2	a-naphthalene sulfonic acid.
120-18-3	b-naphthalene sulfonic acid.
90-15-3	a-naphthol.
135-19-3	b-naphthol.
75-98-9	Neopentanoic acid.
88-74-4	o-nitroaniline.
100-01-6	p-nitroaniline.
91-23-6	o-nitroanisole.
100-17-4	p-nitroanisole.
98-95-3	Nitrobenzene.
27178-83-2 ^c	Nitrobenzoic acid (o,m, and p).
79-24-3	Nitroethane.
75-52-5	Nitromethane.
88-75-5	2-Nitrophenol.
25322-01-4	Nitropropane.
1321-12-6	Nitrotoluene.
27215-95-8	Nonene.
25154-52-3	Nonylphenol.
27193-28-8	Octylphenol.
123-63-7	Paraldehyde.
115-77-5	Pentaerythritol.
109-66-0	n-pentane.
109-67-1	1-pentene.
127-18-4	Perchloroethylene.
594-42-3	Perchloromethyl mercaptan.
94-70-2	o-phenetidine.
156-43-4	p-phenetidine.
108-95-2	Phenol.
98-67-9, 585-38-6, 609-46-1, 1333-39-7 ^c	Phenolsulfonic acids.
91-40-7	Phenyl anthranilic acid.
(b)	Phenylenediamine.
75-44-5	Phosgene.
85-44-9	Phthalic anhydride.
85-41-6	Phthalimide.
108-99-6	b-picoline.
110-85-0	Piperazine.
9003-29-6, 25036-29-7 ^c	Polybutenes.
25322-68-3	Polyethylene glycol.
25322-69-4	Polypropylene glycol.
123-38-6	Propionaldehyde.
79-09-4	Propionic acid.
71-23-8	n-propyl alcohol.
107-10-8	Propylamine.
540-54-5	Propyl chloride.
115-07-1	Propylene.
127-00-4	Propylene chlorohydrin.
78-87-5	Propylene dichloride.
57-55-6	Propylene glycol.

CAS No. ^a	Chemical
75-56-9	Propylene oxide.
110-86-1	Pyridine.
106-51-4	Quinone.
108-46-3	Resorcinol.
27138-57-4	Resorcylic acid.
69-72-7	Salicylic acid.
127-09-3	Sodium acetate.
532-32-1	Sodium benzoate.
9004-32-4	Sodium carboxymethyl cellulose.
3926-62-3	Sodium chloroacetate.
141-53-7	Sodium formate.
139-02-6	Sodium phenate.
110-44-1	Sorbic acid.
100-42-5	Styrene.
110-15-6	Succinic acid.
110-61-2	Succinonitrile.
121-57-3	Sulfanilic acid.
126-33-0	Sulfolane.
1401-55-4	Tannic acid.
100-21-0	Terephthalic acid.
79-34-5 ^c	Tetrachloroethanes.
117-08-8	Tetrachlorophthalic anhydride.
78-00-2	Tetraethyl lead.
119-64-2	Tetrahydronaphthalene.
85-43-8	Tetrahydrophthalic anhydride.
75-74-1	Tetramethyl lead.
110-60-1	Tetramethylenediamine.
110-18-9	Tetramethylethylenediamine.
108-88-3	Toluene.
95-80-7	Toluene-2,4-diamine.
584-84-9	Toluene-2,4-diisocyanate.
26471-62-5	Toluene diisocyanates (mixture).
1333-07-9	Toluenesulfonamide.
104-15-4 ^c	Toluenesulfonic acids.
98-59-9	Toluenesulfonyl chloride.
26915-12-8	Toluidines.
87-61-6, 108-70-3, 120-82-1 ^c	Trichlorobenzenes.
71-55-6	1,1,1-trichloroethane.
79-00-5	1,1,2-trichloroethane.
79-01-6	Trichloroethylene.
75-69-4	Trichlorofluoromethane.
96-18-4	1,2,3-trichloropropane.
76-13-1	1,1,2-trichloro-1,2,2-trifluoroethane.
121-44-8	Triethylamine.
112-27-6	Triethylene glycol.
112-49-2	Triethylene glycol dimethyl ether.
7756-94-7	Triisobutylene.
75-50-3	Trimethylamine.
57-13-6	Urea.
108-05-4	Vinyl acetate.
75-01-4	Vinyl chloride.
75-35-4	Vinylidene chloride.
25013-15-4	Vinyl toluene.
1330-20-7	Xylenes (mixed).
95-47-6	o-xylene.
106-42-3	p-xylene.
1300-71-6	Xylenol.
1300-73-8	Xylidine.

^aCAS numbers refer to the Chemical Abstracts Registry numbers assigned to specific chemicals, isomers, or mixtures of chemicals. Some isomers or mixtures that are covered by the standards do not have CAS numbers assigned to them. The standards apply to all of the chemicals listed, whether CAS numbers have been assigned or not.

^bNo CAS number(s) have been assigned to this chemical, its isomers, or mixtures containing these chemicals.

^cCAS numbers for some of the isomers are listed; the standards apply to all of the isomers and mixtures, even if CAS numbers have not been assigned.

[48 FR 48335, Oct. 18, 1983, as amended at 65 FR 61763, Oct. 17, 2000]