**Section 215.APPENDIX D List of Chemicals Defining Synthetic Organic Chemical and Polymer Manufacturing**

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| 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, | Amyl acetates |
| 123-92-2 |  |
| 71-41-0 c | Amyl alcohols |
| 110-58-7 | Amyl amine |
| 543-59-9 | Amyl chloride |
| 110-68-7 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 | Benzendisulfonic acid |
| 98-11-3 | Benzenesultonic acid |
| 134-81-6 | Benzil |
| 76-93-7 | Benzilic 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 | l-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 |
| 55-23-5 | Carbon tetrachloride |
| 9004-35-7 | Cellulose acetate |
| 79-11-8 | Chloroacetic acid |
| 108-42-9 | m-chloroaniline |
| 95-51-2 | o-chloraniline |
| 106-47-8 | p-chloroaniline |
| 35913-09-8 | Chlorobenzaldehyde |
| 108-90-7 | Chlorobenzene |
| 118-91-2, | Chlorobenzoic acid |
| 535-80-8, |  |
| 74-11-3 c |  |
| 2136-81-4 | Chlorobenzotrichloride |
| 2136-89-2, |  |
| 5216-25-1 c |  |
| 1321-03-5 | Chlorobenzoyl chloride |
| 75-45-6 | Chlorodifluoroethane |
| 25497-29-4 | Chlorodifluoromethane |
| 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-chorotoluene |
| 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 | Crontonic acid |
| 98-82-8 | Cumene |
| 80-15-9 | Cumene hydroperoxide |
| 372-09-8 | Cyanoacetic acid |
| 506-77-4 | Cyanogen chloride |
| 108-80-5 | Cyanuric acid |
| 108-77-0 | Cyanuric chloride |
| 110-82-7 | Cyclohexane |
| 108-93-0 | Cyclohexanol |
| 108-94-1 | Cyclohexanone |
| 110-83-8 | Cyclohexene |
| 108-91-8 | Cyclohexylamine |
| 111-78-4 | Cyclooctadiene |
| 112-30-1 | Decanol |
| 123-4-2 | Diacetone alcohol |
| 27576-04-1 | Diaminobenzoic acid |
| 95-76-1, | Dichloroaniline |
| 95-82-9, |  |
| 554-00-7, |  |
| 608-27-5, |  |
| 608-31-1, |  |
| 626-43-7, |  |
| 27134-27-6, |  |
| 57311-92-9 c |  |
| 541-73-1 | m-dichlorobenzene |
| 95-50-1 | o-dichlorobenzene |
| 106-46-7 | p-dichlorobenzene |
| 75-71-8 | Dichlorodifluoromethane |
| 111-44-4 | Dichloroethyl ether |
| 107-06-2 | 1, 2-dichloroethane (EDC) |
| 96-32-1 | dichlorohydrin |
| 26952-23-8 | Dichloropropene |
| 101-83-7 | Dicyclohexylamine |
| 109-89-7 | Diethylamine |
| 111-46-6 | Diethylene glycol |
| 112-36-7 | Diethylene glycol diethyl ether |
| 111-96-6 | Diethylene glycol dimethyl ether |
| 112-34-5 | Diethylene glycol monobutyl ether |
| 124-17-7 | Diethylene glycol mononbutyl ether acetate |
| 111-90-0 | Diethylene glycol monoethyl ether |
| 112-15-2 | Diethylene glycol monoethyl ether acetate |
| 111-77-3 | Diethylene glycol monomethyl ether |
| 64-67-5 | Diethyl sulfate |
| 75-37-6 | Difluoroethane |
| 25167-70-8 | Diisobutylene |
| 26761-40-0 | Diisodecyl phthalate |
| 27754-26-3 | Diisooctyl phthalate |
| 674-82-8 | Diketene |
| 124-40-3 | Dimethylamine |
| 121-69-7 | N,N-dimethylaniline |
| 115-10-6 | N,N-dimethyl ether |
| 68-12-2 | N,N-dimethylformamide |
| 57-14-7 | Dimethylhydrazine |
| 77-78-1 | Dimethyl sulfate |
| 75-18-3 | Dimethyl sulfide |
| 67-68-5 | Dimethyl sulfoxide |
| 120-61-6 | Dimethyl terephthalate |
| 99-34-3 | 3,5-dinitrobenzoic acid |
| 51-28-5 | Dinitrophenol |
| 25321-14-6 | Dinitrotoluene |
| 123-9-1 | Dioxane |
| 646-06-0 | Dioxilane |
| 122-39-4 | Diphenylamine |
| 101-84-4 | Diphenyl oxide |
| 102-08-9 | Diphenyl thiourea |
| 25265-71-8 | Dipropylene glycol |
| 25378-22-7 | Dodecene |
| 28675-17-4 | Dodecylaniline |
| 27193-86-8 | Dodecylphenol |
| 106-89-8 | Epichlorohydrin |
| 64-17-5 | Ethanol |
| 141-43-5 c | Ethanolamines |
| 141-78-6 | Ethyl acetate |
| 141-97-9 | Ethyl acetoacetate |
| 140-8-5 | Ethyl acrylate |
| 75-04-7 | Ethylamine |
| 100-41-4 | Ethylbenzene |
| 74-96-4 | Ethyl bromide |
| 9004-57-3 | Ethylcellulose |
| 75-00-3 | Ethyl chloride |
| 105-39-5 | Ethyl chloroacetate |
| 105-56-6 | Ethylcyanoacetate |
| 74-85-1 | Ethylene |
| 96-49-1 | Ethylene carbonate |
| 107-07-3 | Ethylene chlorohydrin |
| 107-15-3 | Ethylenediamine |
| 106-93-4 | Ethylene dibromide |
| 107-21-1 | Ethylene glycol |
| 111-55-7 | Ethylene glycol diacetate |
| 110-71-4 | Ethylene glycol dimethyl ether |
| 111-76-2 | Ethylene glycol monobutyl ether |
| 112-07-2 | Ethylene glycol monobutyl ether acetate |
| 110-80-5 | Ethylene glycol monoethyl ether |
| 111-15-9 | Ethylene glycolmonoethyl ether acetate |
| 109-86-4 | Ethylene glycolmonoethyl ether |
| 110-49-6 | Ethylene glycolmonomethyl ether acetate |
| 122-99-6 | Ethylene glycol monophenyl ether |
| 2807-30-9 | Ethylene glycolmonopropyl ether |
| 75-21-8 | Ethylene oxide |
| 60-29-7 | Ethyl ether |
| 104-76-7 | 2-ethylhexanol |
| 122-51-0 | Ethyl orthoformate |
| 95-92-1 | Ethyl oxalate |
| 41892-71-1 | Ethyl sodium oxaloacetate |
| 50-00-0 | Formaldehyde |
| 75-12-7 | Formamide |
| 64-18-6 | Formic acid |
| 110-17-8 | Fumaric acid |
| 98-01-1 | Furfural |
| 56-81-5 | Glycerol (Synthetic) |
| 26545-73-7 | Glycerol dichlorohydrin |
| 25791-96-2 | Glycerol triether |
| 56-40-6 | Glycine |
| 107-22-2 | Glyoxal |
| 118-74-1 | Hexachlorobenzene |
| 67-72-1 | Hexachloroethane |
| 36653-82-4 | Hexadecyl alcohol |
| 124-09-4 | Hexamethylenediamine |
| 629-11-8 | Hexamethylene glycol |
| 100-97-0 | Hexamethylenetetramine |
| 74-90-8 | Hydrogen cyanide |
| 123-31-9 | Hydroquinone |
| 99-96-7 | p-hydroxybenzoic acid |
| 26760-64-5 | Isoamylene |
| 78-83-1 | Isobutanol |
| 110-19-0 | Isobutyl acetate |
| 155-11-7 | Isobutylene |
| 78-84-2 | Isobutyraldehyde |
| 79-31-2 | Isobutyric acid |
| 25339-17-7 | Isodecanol |
| 26952-21-6 | Isooctyl alcohol |
| 78-78-4 | Isopentane |
| 78-59-1 | Isophorone |
| 121-91-5 | Isophthalic acid |
| 78-79-5 | Isoprene |
| 67-63-0 | Isopropanol |
| 108-21-4 | Isopropyl acetate |
| 75-31-0 | Isopropylamine |
| 75-29-6 | Isopropyl chloride |
| 25168-06-3 | Isopropylphenol |
| 463-51-4 | Ketene |
| (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 |
| 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 | Methyl cyclohexane |
| 1331-22-2 | Methyl cyclohexanone |
| 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, & 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 |
| 155-77-5 | Pentaerythritol |
| 109-66-0 | n-pentane |
| 109-67-1 | l-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, | Phenolsulfonic acids |
| 585-38-6, |  |
| 609-46-1 |  |
| 133-39-7 c |  |
| 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, | Polybutenes |
| 25036-29-7 c |  |
| 25322-68-3 | Polyethylene glycol |
| 25322-69-4 | Polypropylene glycol |
| 123-38-6 | Propional dehyde |
| 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 |
| 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 | Succinitrile |
| 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 | Toluene sulfonamide |
| 104-15-4 c | Toluenesulfonic acids |
| 98-59-9 | Toluene sulfonyl chloride |
| 26915-12-8 | Toluidines |
| 87-61-6, | Trichlorobenzenes |
| 108-70-3 |  |
| 120-82-1 c |  |
| 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 |
| (b) | methyl tert-butyl ether |
| 9002-88-4 | Polyethylene |
| (b) | Polypropylene |
| 9009-53-6 | Polystyrene |

a) CAS 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.

b) No CAS number(s) have been assigned to this chemical, to its isomers, or mixtures containing these chemicals.

c) CAS 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.

(Source: Amended at 13 Ill. Reg. 10893, effective June 27, 1989)