

CHAPTER 27

AIR POLLUTION CONTROL

Authority

N.J.S.A. 26:2C-1 et seq. and N.J.S.A. 26:2D-1 et seq.

Executive Order No. 66(1978) Expiration Date

Chapter 27, Air Pollution Control, is exempt from Executive Order No. 66(1978).

Chapter Historical Note

Chapter 27, Air Pollution Control, was filed and became effective prior to September 1, 1969.

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APPENDIX A EMISSIONS INCLUDED IN EMISSIONS INVENTORY AS OF AUGUST 2, 1996

APPENDIX B CHEMICALS DEFINING SYNTHETIC ORGANIC CHEMICAL AND POLYMER MANUFACTURING

SUBCHAPTER 1. GENERAL PROVISIONS

7:27-1.1 Scope

Unless otherwise provided by rule or statute, the following shall constitute the rules of the Bureau of Air Pollution Control and shall govern the emitting of and such activities as result in the introducing of contaminants into the ambient atmosphere.

7:27-1.2 Construction

(a) These rules shall be construed so as to permit the Department, the Bureau of Air Pollution Control and its various agencies to discharge its statutory functions.

(b) The Commissioner and the Director of the Division of Environmental Quality may amend, expand or repeal these rules after public hearing. Such actions shall be filed with the Secretary of State as required by law.

7:27-1.3 Practice where rules do not govern

The Commissioner, the Director of the Division of Environmental Quality or any agency chief shall exercise his discretion in respect of any other matters not governed by these rules.

7:27-1.4 Definitions

The following words and terms, when used in this chapter, have the following meanings, unless the context clearly indicates otherwise.

“Air pollution” means the presence in the outdoor atmosphere of substances in quantities which are injurious to human, plant or animal life or to property or unreasonably interfere with the comfortable enjoyment of life and property throughout the State and in such territories of the State as shall be affected thereby and excludes all aspects of employer-employee relationship as to health and safety hazards.

“Assertedly confidential information” means information which is the subject of a confidentiality claim, for which a confidentiality determination has not been made.

“ASTM” means the American Society for Testing and Materials.

“British thermal unit” or “BTU” means the quantity of heat required to raise the temperature of one avoirdupois pound of water one degree Fahrenheit at 39.1 degrees Fahrenheit.

“Carbon monoxide” or “CO” means a gas comprised of molecules consisting of one carbon atom and one oxygen atom.

“CFR” means the Code of Federal Regulations.

“Claimant” means any person who submits a confidentiality claim under this subchapter.

“Class confidentiality determination” means a confidentiality determination made by the Department under N.J.A.C. 7:27-1.17, for a class of information.

“Commissioner” means the State Commissioner of Environmental Protection who is the chief administrative officer of the State Department of Environmental Protection.

(b) A generator or user shall make all documentation and supporting information required for a notice or relied on pursuant to the emission quantification protocol used available to any person who requests it.

7:27-30.20 Emission quantification protocols

(a) Each generator or user shall use an emission quantification protocol that complies with this section. The generator shall follow the protocol to demonstrate that the DERs generated are real, surplus, and properly quantified. The user shall follow the protocol to demonstrate that the amount of DERs needed is properly quantified.

(b) A mobile source generator or user shall use an emission quantification protocol which complies with all applicable guidance issued by the EPA concerning mobile source protocols, and which requires that the data on which each calculation is based are the most representative, accurate and reliable data available. If the EPA approves a quantification protocol for a specific class of mobile sources, the generator or user shall use that protocol for DERs generated or used by mobile sources within the class.

(c) Pursuant to the specific emission quantification protocol, a stationary source generator or mobile source generator shall:

1. Describe the actions taken to reduce emissions to generate DERs;
2. State the degree to which the emission reduction is already relied upon in the SIP, and explain the basis for this determination;
3. Identify whether emissions may be shifted to other equipment or facilities as a result of the actions taken to reduce emissions; and
4. In accordance with (e) below, establish and document the terms (that is, baseline emission rate, actual emission rate, and the economic output for the generation period) used to calculate the quantity of DERs generated under N.J.A.C. 7:27-30.5(b), and any increase in actual emissions of other emissions sources referenced in N.J.A.C. 7:27-30.5(d).

(d) Pursuant to the specific emission quantification protocol, a stationary source user or mobile source user shall:

1. Describe the requirements for which the DERs are used (or are to be used) to comply; and
2. In accordance with (e) below, establish and document the terms (that is, baseline emissions and actual emissions) used to calculate the quantity of DERs needed or used under N.J.A.C. 7:27-30.12(b) and (c).

(e) To establish and document each term used in the calculation under N.J.A.C. 7:27-30.5(b) and (c) or 30.12(b) and (c) (as applicable), the generator or user (as applicable) shall supply the following supporting information:

1. Include all calculations performed to determine the value of the term, and specify all assumptions made in the calculations, all limitations of the calculations, and any other information appropriate to the specific generation or use strategy;
2. Include a design margin, and an explanation of the method used to determine the design margin;
3. Document (e)1 and 2 above with records from the emission rate measurement/quantification technique identified in (f) below (that is, a copy of the continuous emissions monitoring data, stack test results, parameters monitored for predictive emissions monitoring purposes, emission factors, fuel use records, activity level records, and other relevant documents);
4. Reference the source of all records provided under (e)3 above;
5. If the records provided under (e)3 above contain data based on measurements made at the generator source, provide the monitoring or measurement protocol relied on in collecting this data; and
6. Identify all applicable State and Federal regulations, orders and permits, and specify the applicable limits and requirements set therein for the air contaminant and (as applicable) for the generator source or user source.

(f) Emission rates from stationary sources shall be measured and quantified as follows:

1. If Federal or State regulations or permit conditions require that the emissions source's emissions be monitored through a continuous emission monitoring (CEM) system during the baseline period described in N.J.A.C. 7:27-30.5(c), generation period or use period, the generator or user shall use the CEM data to determine emissions.
2. For emissions sources not required to use CEMs, the generator or user shall determine emission rates using one of the emission rate determination techniques listed below. The generator or user shall use the first listed technique which the emissions source is required to use under any applicable Federal or State regulation or permit condition, or which is in fact being used to determine the source's emissions:
 - i. An alternative monitoring methodology set forth in an alternative monitoring plan approved by the Department pursuant to N.J.A.C. 7:2719.18(b) or approved by the EPA;
 - ii. Source emission testing performed on the user or generator source, as applicable, in accordance with a protocol approved by the Department pursuant to N.J.A.C. 7:27B;
 - iii. A material balance;
 - iv. Source emission testing or other emission measurements conducted on similar emissions sources;

v. Calculation using emission factors that differ from AP-42 (as defined in N.J.A.C. 7:27-8.1), which are designed to estimate emissions from the particular emissions source more accurately than AP-42;

vi. Calculation using EPA emission factors from AP-42; and

vii. For area sources only, an emission estimation model approved or published by the EPA.

(g) A generator or user need not obtain the Department's approval before using an emissions quantification protocol. If the Department approves any emissions quantification protocol, it shall make the protocol publicly available for use by owners or operators of generator sources or user sources to which the protocol applies.

Administrative change.
See: 28 N.J.R. 4959(b).

7:27-30.21 Compliance responsibilities

The generator is responsible for ensuring that it has generated DERs in accordance with this subchapter, and that the DERs are real, surplus, and properly quantified. The verifier is responsible for making the Notice of DER Verification true, accurate and complete. The user is responsible for ensuring that its use of DERs complies with this subchapter, and that all DERs used satisfy the requirements of N.J.A.C. 7:27-30.8(a). In any enforcement action, the generator, verifier and user bear the burden of proof on each of their respective responsibilities.

7:27-30.22 Penalties

A person who fails to comply with any provision of this subchapter shall be subject to civil administrative penalties in accordance with N.J.A.C. 7:27A-3 and applicable criminal penalties including, but not limited to, those set forth at N.J.S.A. 2C:28 and N.J.S.A. 26:2C-19(f)1 and 2. If there is more than one owner or operator of an emissions source, all owners and operators are jointly and severally liable for such civil administrative penalties.

APPENDIX A

Emissions Included in Emissions Inventory as of August 2, 1996

The emissions inventory which the State has submitted to the EPA as a revision to the State Implementation Plan includes the following emissions:

1. Emissions from major point sources. A major point source is a facility with the potential to emit at least 10 tons of VOC per year; 25 tons of NO_x per year; or 100 tons of CO per year. VOC or NO_x emissions from a source operation at a major point source are included in the inventory if the emission statement submitted pursuant to N.J.A.C. 7:27-21 contains VOC or NO_x emissions (as applicable) for that source operation.

2. Emissions from minor point sources and area sources. Minor point sources are industrial sources with the potential to emit less than 10 tons of VOCs per year, less than 25 tons of NO_x per year, and less than 100 tons of CO per year. Area sources are source categories with emissions that are not readily controllable at a single point or set of points; for example, the use of consumer products results in VOC emissions at a multitude of points that could not readily be controlled individually. Emissions from a minor point source or area source are included in the inventory if the source is within one of the following categories:

Industrial Fuel Combustion

- Anthracite coal
- Bituminous coal
- Distillate oil
- Residual oil
- Natural gas
- Liquefied petroleum gas (LPG)

Commercial Fuel Combustion

- Bituminous coal
- Distillate Oil
- Residual Oil
- Natural Gas
- Liquefied petroleum gas (LPG)

Residential Fuel Combustion

- Anthracite coal
- Distillate oil
- Natural gas
- Liquefied petroleum gas (LPG)
- Wood
- Kerosene

Industrial Solvent Use

- Architectural coatings
- Autobody refinishing
- Traffic Paints
- Degreasing
- Dry cleaning
- Graphic arts

Bioprocesses

- Bakeries
- Breweries
- Distilleries
- Wineries

Surface Coating

- Factory finished wood
- Furniture and fixtures
- Metal containers
- Sheet, strip and coil coating
- Machinery and equipment
- Appliances

Electrical insulation
 New automobiles
 Other transportation equipment
 Marine vessels
 Other products
 High-performance maintenance coatings
 Other special purpose coatings
 Consumer/Commercial Solvent Use
 Pesticides (Lawn, agricultural and golf courses)
 Consumer products
 Asphalt Application
 Emulsified asphalt
 Cutback asphalt
 Roofing asphalt
 Gasoline Handling
 Aircraft refueling
 Truck unloading (at gas stations)
 Motor vehicle refueling
 Tank breathing (gas stations)
 Transit by rail car
 Transit by truck
 Marine Vessel Transport of VOCs
 Loading, ballasting and transit of crude oil
 Loading, ballasting and transit of gasoline
 Loading and transit of residual oil
 Loading and transit of distillate oil
 Loading and transit of jet fuel
 Loading and transit of kerosene
 Waste Management
 Incineration (on-site, pathological and municipal)
 Landfills
 Industrial treatment works (ITWs)
 Publicly owned treatment works (POTWs)

Fires
 Agricultural field burning
 Wildfires
 Managed burning
 Cigarette smoking

3. Highway mobile sources. The highway mobile source component of the emission inventory is an estimate of VOC, NO_x, and CO tailpipe emissions and VOC evaporative emissions from vehicles operating on public roadways. Emissions from such vehicles are included in the inventory.

4. Off-highway equipment and engine categories. The off-highway mobile source and equipment component of the emission inventory is an estimate of the VOC, NO_x, and CO emissions from motorized vehicles and equipment that are not operated on public roadways. Emissions from such vehicles and equipment are included in

the inventory if the source is within one of the following categories:

Agricultural Equipment
 Agricultural Mowers
 Agricultural Tractors
 Balers
 Combines
 Hydro Power Units
 Sprayers
 Swathers
 Tillers >5 HP
 2-Wheel Tractors
 Other Agricultural Equipment
 Aircraft Operations and Support
 Air taxi operations
 Commercial/Military aircraft operations
 General aviation
 Aircraft support equipment
 Terminal tractors
 Construction Equipment
 Asphalt Pavers
 Bore/Drill Rigs
 Cement and Mortar Mixers
 Concrete Pavers
 Concrete/Industrial Saws
 Cranes
 Crawler Tractors
 Crushing/Proc. Equipment Dumpers/Tenders
 Excavators
 Graders
 Off-Highway Tractors
 Off-Highway Trucks
 Other Construction Equipment
 Paving Equipment
 Plate Compactors
 Rollers
 Rough Terrain Forklifts
 Rubber Tired Dozers
 Rubber Tired Loaders
 Scrapers
 Signal Boards
 Skid Steer Loaders
 Surfacing Equipment
 Tampers/Rammers Tractors/Loaders/Backhoes
 Trenchers
 Logging Equipment
 Chainsaws >4 HP
 Fellers/Bunchers
 Shredders >5 HP

	CAS #	Chemical
Skidders	75-07-0	Acetaldehyde
Industrial Equipment	107-89-1	Acetaldol
Aerial Lifts	60-35-5	Acetamide
Forklifts	103-84-4	Acetanilide
Other General Industrial Equipment	64-19-7	Acetic acid
Other Material Handling Equipment	108-24-7	Acetic anhydride
Sweepers/Scrubbers	67-64-1	Acetone
Lawn and Garden Equipment	75-86-5	Acetone cyanohydrin
Chainsaws <4 HP	75-05-8	Acetonitrile
Chippers/Stump Grinders	96-86-2	Acetophenone
Commercial Turf Equipment	75-36-5	Acetyl chloride
Front Mowers	74-86-2	Acetylene
Lawn and Garden Tractors	107-02-8	Acrolein
Lawn Mowers	79-06-1	Acrylamide
Leaf Blowers/Vacuums	79-10-7	Acrylic acid
Other Lawn and Garden Equipment	107-13-1	Acrylonitrile
Rear Engine Riding Mowers	124-04-9	Adipic acid
Shredders <5 HP	111-69-3	Adiponitrile
Snowblowers	††	Alkyl naphthalenes
Tillers <5 HP Trimmers/Edgers/Brush Cutters	107-18-6	Allyl alcohol
Wood Splitters	107-05-1	Allyl chloride
Light Commercial Equipment	1321-11-5	Aminobenzoic acid
Air Compressors <50 HP	111-41-1	Aminoethylethanolamine
Gas Compressors <50 HP	123-30-8	p-Aminophenol
Generator Sets <50 HP	628-63-7, 123-92-2	Amyl acetates
Pressure Washers <50 HP	71-41-0,†	Amyl alcohols
Pumps <50 HP	110-58-7	Amyl amine
Welders <50 HP	543-59-9	Amyl chloride
Recreational Vehicles and Vessels	110-66-7,†	Amyl mercaptans
All Terrain Vehicles (ATVs)	1322-06-1	Amyl phenol
Golf Carts	62-53-3	Aniline
Minibikes	142-04-1	Aniline hydrochloride
Off-Road Motorcycles	29191-52-4	Anisidine
Sailboat Auxiliary Inboard Engines	100-66-3	Anisole
Sailboat Auxiliary Outboard Engines	118-92-3	Anthranilic acid
Snowmobiles	84-65-1	Anthraquinone
Specialty Vehicles Carts	100-52-7	Benzaldehyde
Vessels w/Inboard Engines	55-21-0	Benzamide
Vessels w/Outboard Engines	71-43-2	Benzene
Vessels w/Stern Drive Engines	98-48-6	Benzenedisulfonic acid
Other Transportation Equipment	98-11-3	Benzenesulfonic acid
Locomotives	134-81-6	Benzil
Marine vessels	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	Benzal chloride
	92-52-4	Biphenyl
	80-05-7	Bisphenol A
	108-86-1	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

APPENDIX B

CHEMICALS DEFINING SYNTHETIC ORGANIC
CHEMICAL AND POLYMER
MANUFACTURING

CAS #	Chemical
105-57-7	Acetal

CAS #	Chemical	CAS #	Chemical
13952-84-6	s-butylamine	101-83-7	Dicyclohexylamine
75-64-9	t-butylamine	109-89-7	Diethylamine
98-73-7	4-tert-butyl benzoic acid	111-46-6	Diethylene glycol
107-88-0	1,3-butylene glycol	112-36-7	Diethylene glycol diethyl ether
123-72-8	n-butyraldehyde	111-96-6	Diethylene glycol dimethyl ether
107-92-6	Butyric acid	112-34-5	Diethylene glycol monobutyl ether
106-31-0	Butyric anhydride	124-17-4	Diethylene glycol monobutyl ether acetate
109-74-0	Butyronitrile		Diethylene glycol monoethyl ether
105-60-2	Caprolactam	111-90-0	Diethylene glycol monoethyl ether acetate
75-15-50	Carbon disulfide	112-15-2	Diethylene glycol monomethyl ether
558-13-4	Carbon tetrabromide	111-77-3	Diethyl sulfate
56-23-5	Carbon tetrachloride	64-67-5	Difluoroethane
9004-35-7	Cellulose acetate	75-37-6	Diisobutylene
79-11-8	Chloroacetic acid	25167-70-8	Diisodecyl phthalate
108-42-9	m-chloroaniline	26761-40-0	Diisooctyl phthalate
95-51-2	o-chloroaniline	27554-26-3	Diketene
106-47-8	p-chloroaniline	674-82-8	Dimethylamine
35913-09-8	Chlorobenzaldehyde	124-40-3	N,N-dimethylaniline
108-90-7	Chlorobenzene	121-69-7	N,N-dimethyl ether
†	Chlorobenzoic acid	115-10-6	N,N-dimethylformamide
†	Chlorobenzotrichloride	68-12-2	Dimethylhydrazine
1321-03-5	Chlorobenzoyl chloride	57-14-7	Dimethyl sulfate
25497-29-4	Chlorodifluoromethane	77-78-1	Dimethyl sulfide
75-45-6	Chlorodifluoroethane	75-18-3	Dimethyl sulfoxide
67-66-3	Chloroform	67-68-5	Dimethyl terephthalate
25586-43-0	Chloronaphthalene	120-61-6	3,5-dinitrobenzoic acid
88-73-3	o-chloronitrobenzene	99-34-3	2,4-dinitrophenol
100-00-5	p-chloronitrobenzene	51-28-5	Dinitrotoluene
25167-80-0	Chlorophenols	25321-14-6	Dioxane
126-99-8	Chloroprene	123-91-1	Dioxolane
7790-94-5	Chlorosulfonic acid	646-06-0	Diphenylamine
108-41-8	m-chlorotoluene	122-39-4	Diphenyl oxide
95-49-8	o-chlorotoluene	101-84-8	Diphenyl thiourea
106-43-4	p-chlorotoluene	102-08-9	Dipropylene glycol
75-72-9	Chlorotrifluoromethane	25265-71-8	Dodecene
108-39-4	m-cresol	25378-22-7	Dodecylaniline
95-48-7	o-cresol	28675-17-4	Dodocylphenol
106-44-5	p-cresol	27193-86-8	Epichlorohydrin
1319-77-3	Mixed cresols	106-89-8	Ethanol
1319-77-3	Cresylic acid	64-17-5	Ethanolamines
4170-30-0	Crotonaldehyde	†	Ethyl acetate
3724-65-0	Crotonic acid	141-78-6	Ethyl acetoacetate
98-82-8	Cumene	141-97-9	Ethyl acrylate
80-15-9	Cumene hydroperoxide	140-88-5	Ethylamine
372-09-8	Cyanoacetic acid	75-04-7	Ethylbenzene
506-77-4	Cyanogen chloride	100-41-4	Ethyl bromide
108-80-5	Cyanuric acid	74-96-4	Ethylcellulose
108-77-0	Cyanuric chloride	9004-57-3	Ethyl chloride
110-82-7	Cyclohexane	75-00-3	Ethyl chloroacetate
108-93-0	Cyclohexanol	105-39-5	Ethylcyanoacetate
108-04-1	Cyclohexanone	105-56-6	Ethylene
110-83-8	Cyclohexene	74-85-1	Ethylene carbonate
108-91-8	Cyclohexylamine	96-49-1	Ethylene chlorohydrin
111-78-4	Cyclooctadiene	107-07-3	Ethylenediamine
112-30-1	Decanol	107-15-3	Ethylene dibromide
123-42-2	Diacetone alcohol	106-93-4	Ethylene glycol
27576-04-1	Diaminobenzoic acid	107-21-1	Ethylene glycol diacetate
†	Dichloroaniline	111-55-7	Ethylene glycol dimethyl ether
541-73-1	m-dichlorobenzene	110-71-4	Ethylene glycol monobutyl ether
95-50-1	o-dichlorobenzene	111-76-2	Ethylene glycol monobutyl ether acetate
106-46-7	p-dichlorobenzene	112-07-2	Ethylene glycol monoethyl ether
75-71-8	Dichlorofluoromethane	110-80-5	Ethylene glycol monoethyl ether acetate
107-06-2	1,2-dichloroethane (EDC)	111-15-9	Ethylene glycol monomethyl ether
111-44-4	Dichloroethyl ether	109-86-4	Ethylene glycol monomethyl ether acetate
96-23-1	Dichlorohydrin	110-49-6	Ethylene glycol monophenyl ether
26952-23-8	Dichloropropene	122-99-6	

CAS #	Chemical	CAS #	Chemical
2807-30-9	Ethylene glycol monopropyl ether	78-93-3	Methyl ethyl ketone
75-21-8	Ethylene oxide	107-31-3	Methyl formate
60-29-7	Ethyl ether	108-11-2	Methyl isobutyl carbinol
104-76-7	2-ethylhexanol	108-10-1	Methyl isobutyl ketone
122-51-0	Ethyl orthoformate	80-62-6	Methyl methacrylate
95-92-1	Ethyl oxalate	77-75-8	Methylpentynol
41892-71-1	Ethyl sodium oxalacetate	98-83-9	a-methylstyrene
50-00-0	Formaldehyde	110-91-8	Morpholine
75-12-7	Formamide	85-47-2	a-naphthalene sulfonic acid
64-18-6	Formic acid	120-18-3	b-naphthalene sulfonic acid
110-17-8	Fumaric acid	90-15-3	a-naphthol
98-01-1	Furfural	135-19-3	b-naphthol
56-81-5	Glycerol	75-98-9	Neopentanoic acid
26545-73-7	Glycerol dichlorohydrin	88-74-4	o-nitroaniline
25791-96-2	Glycerol triether	100-01-6	p-nitroaniline
56-40-6	Glycine	91-23-6	o-nitroanisole
107-22-2	Glyoxal	100-17-4	p-nitroanisole
118-74-1	Hexachlorobenzene	98-95-3	Nitrobenzene
67-72-1	Hexachloroethane	†	Nitrobenzoic acid (o, m, & p)
36653-82-4	Hexadecanol	79-24-3	Nitroethane
124-09-4	Hexamethylenediamine	75-52-5	Nitromethane
629-11-8	Hexamethylene glycol	88-75-5	2-Nitrophenol
100-97-0	Hexamethylenetetramine	25322-01-4	Nitropropane
74-90-8	Hydrogen cyanide	1321-12-6	Nitrotoluene
123-31-9	Hydroquinone	27215-95-8	Nonene
99-06-9	p-hydroxybenzoic acid	25154-52-3	Nonylphenol
26760-64-5	Isoamylene	27913-28-8	Octylphenol
78-83-1	Isobutanol	123-63-7	Paraldehyde
110-19-0	Isobutyl acetate	115-77-5	Pentaerythritol
115-11-7	Isobutylene	109-66-0	n-pentane
78-84-2	Isobutyraldehyde	109-67-1	l-pentene
79-31-2	Isobutyric acid	127-18-4	Perchloroethylene
25339-17-7	Isodecanol	594-42-3	Perchloromethyl mercaptan
26952-21-6	Isooctyl alcohol	94-70-2	o-phenetidine
78-78-4	Isopentane	156-43-4	p-phenetidine
78-59-1	Isophorone	108-95-2	Phenol
121-91-5	Isophthalic acid	†	Phenolsulfonic acids
78-79-5	Isoprene	91-40-7	Phenyl anthranilic acid
67-63-0	Isopropanol	††	Phenylenediamine
108-21-4	Isopropyl acetate	75-44-5	Phosgene
75-31-0	Isopropylamine	85-44-9	Phthalic anhydride
75-29-6	Isopropyl chloride	85-41-6	Phthalimide
25168-06-3	Isopropylphenol	108-99-6	b-picoline
463-51-4	Ketene	110-85-0	Piperazine
††	Linear alkyl sulfonate	†	Polybutenes
123-01-3	Linear alkylbenzene	25322-68-3	Polyethylene glycol
110-16-7	Maleic acid	25322-69-4	Polypropylene glycol
108-31-6	Maleic anhydride	123-38-6	Propionaldehyde
6915-15-7	Malic acid	79-09-4	Propionic acid
141-79-7	Mesityl oxide	71-23-8	n-propyl alcohol
121-47-1	Metanilic acid	107-10-8	Propylamine
79-41-4	Methacrylic acid	540-54-5	Propyl chloride
563-47-3	Methallyl chloride	115-07-1	Propylene
67-56-1	Methanol	127-00-4	Propylene chlorohydrin
79-20-9	Methyl acetate	78-87-5	Propylene dichloride
105-45-3	Methyl acetoacetate	57-55-6	Propylene glycol
74-89-5	Methylamine	75-56-9	Propylene oxide
100-61-8	n-methylaniline	110-86-1	Pyridine
74-83-9	Methyl bromide	106-51-4	Quinone
37365-71-2	Methyl butynol	108-46-3	Resorcinol
74-87-3	Methyl chloride	27138-57-4	Resorcylic acid
108-87-2	Methylcyclohexane	69-72-7	Salicylic acid
1331-22-2	Methylcyclohexanone	127-09-3	Sodium acetate
75-09-2	Methylene chloride	532-32-1	Sodium benzoate
101-77-9	Methylene dianiline	9004-32-4	Sodium carboxymethyl cellulose
101-68-8	Methylene diphenyl diisocyanate	3926-62-3	Sodium chloracetate

CAS #	Chemical	CAS #	Chemical
141-53-7	Sodium formate	79-00-5	1,1,2-trichloroethane
139-02-6	Sodium phenate	79-01-6	Trichloroethylene
110-44-1	Sorbic acid	75-69-4	Trichlorofluoromethane
100-42-5	Styrene	96-18-4	1,2,3-trichloropropane
110-15-6	Succinic acid	76-13-1	1,1,2-trichlorotrifluoroethane
110-61-2	Succinonitrile	121-44-8	Triethylamine
121-57-3	Sulfanilic acid	112-27-6	Triethylene glycol
126-33-0	Sulfolane	112-49-2	Triethylene glycol dimethyl ether
1401-55-4	Tannic acid	7756-94-7	Triisobutylene
100-21-0	Terephthalic acid	75-50-3	Trimethylamine
†	Tetrachloroethanes	57-13-6	Urea
117-08-8	Tetrachlorophthalic anhydride	108-05-4	Vinyl acetate
78-00-2	Tetraethyl lead	75-01-4	Vinyl chloride
119-64-2	Tetrahydronaphthalene	75-35-4	Vinylidene chloride
85-43-8	Tetrahydrophthalic anhydride	25013-15-4	Vinyl toluene
75-74-1	Tetramethyl lead	1330-20-7	Xylenes (mixed)
110-60-1	Tetramethylenediamine	95-47-6	o-xylene
110-18-9	Tetramethylethylenediamine	106-42-3	p-xylene
108-88-3	Toluene	1300-71-6	Xylenol
95-80-7	2,4,-diaminotoluene	1300-73-8	Xylidine
584-84-9	Toluene-2,4-diisocyanate	1634-04-4	Methyl tert-butyl ether
26471-62-5	Toluene diisocyanates (mixture)	9002-88-4	Polyethylene
1333-07-9	Toluenesulfonamide	9003-07-0	Polypropylene
†	Toluenesulfonic acids	9003-53-6	Polystyrene
98-59-9	Toluenesulfonyl chloride		
26915-12-8†	Toluidines		
†	Trichlorobenzenes		
71-55-6	1,1,1-trichloroethane		

† CAS numbers for the various isomers and mixtures have not been listed here.

†† CAS numbers not available.