



TOWN OF MERRIMACK, NH

PUBLIC WORKS DEPARTMENT

WASTEWATER TREATMENT FACILITY

36 MAST ROAD – P.O. BOX 235 – MERRIMACK, NH 03054
PHONE: 603-883-8196 – FAX: 603-886-1513
WWW.MERRIMACKNH.GOV

INDUSTRIAL USER WASTEWATER PERMIT APPLICATION

SECTION A. GENERAL INFORMATION

All items are to be completed. Proposed discharge should indicate whether discharge information is actual or estimated. Existing and increased discharges must give actual information for all questions. If an item is not applicable, indicate "NA". Unless otherwise specified, please print or type.

- ☐ Existing Facility - Please Provide the Permit Number: _____ ☐ New Facility
☐ Application for **Proposed** New Industrial/Process Discharge: ☐ Actual ☐ Estimated
☐ Application to Increase to discharge volume, strength, or character of existing wastewater process
☐ Other: _____
☐ Renewal Application ☐ Initial Application ☐ Name/Owner Change

1. Company Name _____
2. Address _____
3. Mailing Address (if different) _____
4. Name of Signing Official _____
5. Title of Signing Official _____
6. Business Phone Number _____ (_____) _____
7. Person to contact concerning information provided herein:
 - a. Name _____
 - b. Title _____
 - c. Business Phone Number _____ (_____) _____
8. Parent Company Name _____
9. Address _____

I have personally examined and am familiar with the information submitted in this document and attachments. Based upon my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and/or imprisonment.

Date

Signature of Official

Building Owner Responsible Official (If different than Section A.):

- a. Name _____
- b. Title _____
- c. Business Phone Number __ (____) _____
- d. Email: _____

Company Name _____

Address _____

Building Management Contact Person:

- a. Name _____
- b. Company Name (if different from above): _____
- c. Title _____
- d. Business Phone Number __ (____) _____
- e. Email: _____

The discharge by the lessee has been reviewed and approved for discharge by the building owner/management. I have personally examined and am familiar with the information submitted in this document and attachments. Based upon my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and/or imprisonment.

Date

Signature of Official

SECTION B. PRODUCT OR SERVICE INFORMATION

10. Brief narrative description of manufacturing or service activity:

11. List all raw materials used in your process/production operations: Indicate whether any priority pollutants from Table presented under Section G are present. Also list any compounds that may be used in your manufacturing process that is not part of the final product.

| <u>Raw Materials</u> | <u>Amount Used/Year Pounds, Gallons, etc.</u> | <u>Estimated % Loss to Sewer</u> |
|----------------------|---|--------------------------------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

12. Principal Products/Services

Amount/Year

13. Standard Industrial Classification Codes (SIC) for all processes:
(See Appendix for definition)

14. a. Are the processes above designated by EPA's categorical pretreatment standards? (See Appendix)

☐ YES

☐ NO

- b. If YES, give subcategory designation in space provided.

- c. job shop ☐ captive shop ☐ integrated ☐ non-integrated ☐

15. Has a baseline report been prepared and submitted for EPA categorical pretreatment program?

☐ YES

☐ NO

If YES, provide a copy.

SECTION C. PLANT OPERATIONAL CHARACTERISTICS

16. Is a Wastewater Spill Prevention Control and Countermeasure Plan prepared for the facility?

☐ YES

☐ NO

If YES, provide a copy.

17. a. Is a slug control plan prepared for the facility in accordance with 40 CFR 403.8(F)(2)(v)?

☐ YES

☐ NO

- b. According to this requirement has your facility updated this plan in the last two years?

☐ YES

☐ NO

18. Are your processes subject to seasonal variation?

☐ YES

☐ NO

If YES, explain indicated period(s) of peak operation and products:

19. Is a Storm Water Pollution Prevention Plan prepared for the facility (SWPPP) in accordance with 40 CFR 122.26?

☐ YES

☐ NO

20. Shift Information

a. Number of shifts per work day _____

b. Number of employees— Shift 1 _____

Shift 2 _____

Shift 3 _____

Total _____

c. Days of Operation Per Week:

Shifts: 1 _____ 2 _____ 3 _____

d. Shift Start Times:

1st _____

2nd _____

3rd _____

SECTION D. WATER

21.

| Sources | Average Volume Gallons/Day | Maximum Volume Gallons/Day |
|----------------|-------------------------------|-------------------------------|
| Water District | | |
| River or Pond | | |
| Ground | | |
| Other | | |
| TOTAL | | |

22. List past 12 months water usage from water bills:

| MONTH/YEAR | USAGE (GALLONS) |
|------------|-----------------|
| | |
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23. Describe any raw water processes used:

24. Describe any water recycling or material reclaiming processes used:

SECTION E. WASTEWATER

25. Wastewater discharged to municipal sewers: (See Appendix for definitions)

| TYPE | AVERAGE VOLUME GALLONS/DAY | MAXIMUM VOLUME GALLONS/DAY | WHERE DISCHARGED |
|--------------------------|----------------------------------|----------------------------------|------------------|
| Process | | | |
| Sanitary | | | |
| Cooling | | | |
| Boiler Blowdown | | | |
| Filter Backwash | | | |
| Compressor Condensate | | | |
| Scrubber Wastewater | | | |
| Water Curtain Waste | | | |
| Reverse Osmosis Waste | | | |
| Other | | | |

26. Frequency information for the process wastewater discharges:
(If additional space is required use back of this page)

| PROCESS NAME | CONTINUOUS, OR INTERMITTENT BATCH DUMP TO SEWER | VOLUME | FREQUENCY OF BATCH DUMPS | HOURS PER DAY OF CONTINUOUS DUMPS |
|--------------|--|--------|-----------------------------|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
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| | | | | |
| | | | | |

27. Wastewater discharged other than to municipal sewer?

a. ☐ YES ☐ NO

| TYPE | AVERAGE VOLUME GALLONS/DAY | MAXIMUM VOLUME GALLONS/DAY | WHERE DISCHARGED |
|-----------------|-------------------------------|-------------------------------|---------------------|
| Process | | | |
| Sanitary | | | |
| Cooling | | | |
| Boiler Blowdown | | | |
| Other (Specify) | | | |
| TOTAL | | | |

- b. Wastewater discharges to the groundwater by way of:

Lagoons
Seepage Pits
Leach Fields
Land Surface

AVERAGE VOLUME GALLONS/DAY

If YES, indicate NPDES permit number. Provide a copy. (See Appendix)

28. Water consumed in product(s)? _____ Average Gallons/Day

29. Describe any wastewater treatment equipment or processes in use:

30. Furnish plans and specifications covering any existing or proposed pretreatment facilities.

31. Wastewater Discharges Leaving Buildings:

| Building No. | Pipe Size | Pipe Material | Discharges to | Average Volume Gallons/Day |
|--------------|-----------|---------------|---------------|-------------------------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

32. Describe waste liquids, if any, that are hauled away for disposal, and list the destination and the hauler of each type of waste:

33. Attach map of the site showing the pipe size and approximate location of all sewer connections, drains, or outfalls leaving all buildings including location of water meters, internal plumbing, monitoring equipment and pretreatment facilities.

Indicate plan scale, north arrow, street names, rivers, ponds, wells, outline of on-lot sewerage disposal systems (septic tank and leaching field), municipal sewer, flow arrow, etc.)

34. Sampling Station(s):

| Manufacturer | Model | Location |
|--------------|-------|----------|
| | | |
| | | |

35. Flow Meter(s):

| Manufacturer | Model | Location |
|--------------|-------|----------|
| | | |
| | | |

SECTION F. ANALYSIS OF INDUSTRIAL WASTEWATER

36. For the process wastewaters discharged this section must be completed. Please submit analysis sheet from certified laboratory.

- 1) Sample Point(s)_____
- 2) Source of Wastewater_____
- 3) Volume _____ Gallons/Day
- 4) pH (Daily Range)_____ Units
- 5) Temperature Daily Range_____ °F
- 6) Color_____ Pt-Co
- 7) Turbidity_____ JTU
- 8) Fecal Coliform Bacteria_____ No./100 mL

| Parameter | | Average Daily Concentration | Quantity |
|-----------|---------------------------------------|-----------------------------|----------|
| 9) | Biochemical Oxygen Demand (BOD 5-Day) | mg/L | lb./day |
| 10) | Chemical Oxygen Demand (COD) | mg/L | lb./day |
| 11) | Total Solids | mg/L | lb./day |
| 12) | Suspended Solids | mg/L | lb./day |
| 13) | Dissolved Solids | mg/L | lb./day |
| 14) | Total Volatile Solids | mg/L | lb./day |
| 15) | Suspended Volatile Solids | mg/L | lb./day |
| 16) | Settleable Solids | | |
| 17) | Total Phosphorus | mg/L | lb./day |
| 18) | Orthophosphate | mg/L | lb./day |
| 19) | Ammonia (As N) | mg/L | lb./day |
| 20) | Oil and Grease | mg/L | lb./day |
| 21) | Chlorine Demand | mg/L | lb./day |
| 22) | Chromium (VI) | mg/L | lb./day |
| 23) | Chromium ¹ | mg/L | lb./day |
| 24) | Iron ¹ | mg/L | lb./day |
| 25) | Copper ¹ | mg/L | lb./day |
| 26) | Zinc ¹ | mg/L | lb./day |
| 27) | Lead ¹ | mg/L | lb./day |
| 28) | Mercury ¹ | mg/L | lb./day |
| 29) | Nickel ¹ | mg/L | lb./day |
| 30) | Cadmium ¹ | mg/L | lb./day |
| 31) | Total Metals ² | mg/L | lb./day |
| 32) | Phenol | mg/L | lb./day |
| 33) | Cyanide (A) ³ | mg/L | lb./day |
| 34) | Cyanide ¹ | mg/L | lb./day |
| 35) | Chlorides | mg/L | lb./day |
| 36) | Sulfide | mg/L | lb./day |
| 37) | Sulfate | mg/L | lb./day |
| 38) | Total Toxic Organics | mg/L | lb./day |
| 39) | Silver | mg/L | lb./day |

Revision Date: November 13, 2020

| Parameter | | Average Daily Concentration | Quantity |
|-----------|---|-----------------------------|----------|
| 40) | Beryllium | mg/L | lb./day |
| 41) | Boron | mg/L | lb./day |
| 42) | Selenium | mg/L | lb./day |
| 43) | Other constituents characteristic of your operations (PFOA, PFOS, PFC's, Plasticizers, PCBs) | mg/L | lb/day |
| | | | |
| | | | |
| | | | |

44) Sample Technique: Grab _____ Flow Proportional Composite _____
 Timed Composite Sample _____

45) Who Collected Sample? _____

46) Name and Address of Certified Laboratory: _____

¹ All reported as total concentrations.

² Sum of the concentrations of copper, nickel, chromium (T), and zinc.

³ Cyanide amenable to chlorination.

SECTION G. PRIORITY POLLUTANTS

37. Indicate by placing an Ω in the appropriate box which, if any, of the priority pollutants listed in the Table are being used at this facility in the manufacturing of the product or generated as a by-product which may possibly be discharged to the sewer. Some compounds are known by other names. Please refer to Appendix A (attached) for those compounds which have an asterisk (*).

| TABLE OF PRIORITY POLLUTANTS | | | |
|------------------------------|--------------------------------|---------------------------------|-----------------------------|
| ITEM NO. | CHEMICAL COMPOUND | SUSPECTED PRESENT IN WASTEWATER | KNOWN PRESENT IN WASTEWATER |
| 1. | asbestos (fibrous) | | |
| 2. | cyanide (total) | | |
| 3. | antimony (total) | | |
| 4. | arsenic (total) | | |
| 5. | beryllium (total) | | |
| 6. | cadmium (total) | | |
| 7. | chromium (total) | | |
| 8. | copper (total) | | |
| 9. | lead (total) | | |
| 10. | mercury (total) | | |
| 11. | nickel (total) | | |
| 12. | selenium (total) | | |
| 13. | silver (total) | | |
| 14. | thallium (total) | | |
| 15. | zinc (total) | | |
| 16. | acenaphthylene | | |
| 18. | acrolein | | |
| 19. | acrylonitrile | | |
| 20. | aldrin | | |
| 21. | anthracene | | |
| 22. | benzene | | |
| 23. | benzidine | | |
| 24. | benzo (a) anthracene* | | |
| 25. | benzo (a) pyrene* | | |
| 26. | benzo (b) fluoranthene | | |
| 27. | benzo (g,h,l) perylene* | | |
| 28. | benzo (k) fluoranthene* | | |
| 29. | a-BHC (alpha) | | |
| 30. | b-BHC (beta) | | |
| 31. | d-BHC (delta) | | |
| 32. | g-BHC* (gamma) | | |
| 33. | bis (2-chloroethyl) ether* | | |
| 34. | bis (2-chloroethoxy) methane* | | |
| 35. | bis (2-chloroisopropyl) ether* | | |
| 36. | bis (chloromethyl) ether* | | |
| 37. | bis (2-ethylhexyl) phthalate* | | |
| 38. | bromodichloromethane* | | |
| 39. | bromoform* | | |
| 40. | bromomethane* | | |
| 41. | 4-bromophenylphenyl ether | | |
| 42. | butylbenzyl phthalate | | |
| 43. | carbon tetrachloride* | | |
| 44. | chlordane | | |
| 45. | 4-chloro-3-methylphenol* | | |
| 46. | chlorobenzene | | |
| 47. | chloroethane* | | |
| 48. | 2-chloroethylvinyl ether | | |

| TABLE OF PRIORITY POLLUTANTS | | | |
|------------------------------|------------------------------------|---------------------------------|-----------------------------|
| ITEM NO. | CHEMICAL COMPOUND | SUSPECTED PRESENT IN WASTEWATER | KNOWN PRESENT IN WASTEWATER |
| 49. | chloroform* | | |
| 50. | chloromethane* | | |
| 51. | 2-chloronaphthalene | | |
| 52. | 2-chlorophenol* | | |
| 53. | 4-chlorophenylphenyl ether | | |
| 54. | chrysene | | |
| 55. | 4,4'-DDD* | | |
| 56. | 4,4'-DDE* | | |
| 57. | 4,4'-DDT* | | |
| 58. | dibenzo (a,h) anthracene* | | |
| 59. | dibromochloromethane* | | |
| 60. | 1,2-dichlorobenzene* | | |
| 61. | 1,3-dichlorobenzene* | | |
| 62. | 1,4-dichlorobenzene* | | |
| 63. | 3,3'-dichlorobenzidine | | |
| 64. | dichlorodifluoromethane* | | |
| 65. | 1,1-dichloroethane* | | |
| 66. | 1,2-dichloroethane* | | |
| 67. | 1,1-dichloroethene* | | |
| 68. | trans-1,2-dichloroethene* | | |
| 69. | 2,4-dichlorophenol | | |
| 70. | 1,2-dichloropropane* | | |
| 71. | (cis & trans) 1,3-dichloropropene* | | |
| 72. | dieldrin | | |
| 73. | diethyl phthalate* | | |
| 74. | 2,4-dimethylphenol* | | |
| 75. | dimethyl phthalate | | |
| 76. | di-n-butyl phthalate | | |
| 77. | di-n-octyl phthalate | | |
| 78. | 4,6-dinitro-2-methylphenol* | | |
| 79. | 2,4-dinitrophenol | | |
| 80. | 2,4-dinitrotoluene | | |
| 81. | 2,6-dinitrotoluene | | |
| 82. | 1,2-diphenylhydrazine* | | |
| 83. | endosulfan I* | | |
| 84. | endosulfan II* | | |
| 85. | endosulfan sulfate | | |
| 86. | endrin | | |
| 87. | endrin aldehyde | | |
| 88. | ethylbenzene | | |
| 89. | fluoranthene | | |
| 90. | fluorene* | | |
| 91. | heptachlor | | |
| 92. | heptachlor epoxide | | |
| 93. | hexachlorobenzene* | | |
| 94. | hexachlorobutadiene | | |
| 95. | hexachlorocyclopentadiene* | | |

| TABLE OF PRIORITY POLLUTANTS | | | |
|------------------------------|--------------------------------------|---------------------------------|-----------------------------|
| ITEM NO. | CHEMICAL COMPOUND | SUSPECTED PRESENT IN WASTEWATER | KNOWN PRESENT IN WASTEWATER |
| 96. | hexachloroethane* | | |
| 97. | ideno (1,2,3-cd) pyrene* | | |
| 98. | isophorone* | | |
| 99. | methylene chloride* | | |
| 100. | naphthalene | | |
| 101. | nitrobenzene | | |
| 102. | 2-nitrophenol* | | |
| 103. | 4-nitrophenol* | | |
| 104. | N-nitrosodimethylamine* | | |
| 105. | N-nitrosodi-n-propylamine* | | |
| 106. | N-nitrosodiphenylamine* | | |
| 107. | PCB-1016* | | |
| 108. | PCB-1221* | | |
| 109. | PCB-1232* | | |
| 110. | PCB-1242* | | |
| 111. | PCB-1248* | | |
| 112. | PCB-1254* | | |
| 113. | PCB-1260* | | |
| 114. | pentachlorophenol | | |
| 115. | phenanthrene | | |
| 116. | phenol | | |
| 117. | pyrene | | |
| 118. | 2,3,7,8-tetrachlorodibenzo-p-dioxin* | | |
| 119. | 1,1,2,2-tetrachloroethane* | | |
| 120. | tetrachloroethene* | | |
| 121. | toluene* | | |
| 122. | toxaphene | | |
| 123. | 1,2,4-trichlorobenzene | | |
| 124. | 1,1,1-trichloroethane* | | |
| 125. | 1,1,2-trichloroethane* | | |
| 126. | trichloroethene* | | |
| 127. | trichlorofluoromethane* | | |
| 128. | 2,4,6-trichlorophenol | | |
| 129. | vinyl chloride* | | |

38. List on the back of this sheet, any pre-mixed or ready-to-use process chemicals used in facility. Identification for each process chemical should include the trade name and the use to which it is applied: (e.g. electroless copper; a copper plating bath). The amount used (lbs. or gals./year), and estimated overflows, dumps, or other loss to sewers should also be provided. (If this information has been provided previously in this permit application, please indicate where you have included it.
39. In accordance with the Merrimack Sewer Use Ordinance, Article VIII, Section 2.B.(2), please list all your environmental permits held by or for the facility.

APPENDIX

Priority Pollutants

- ◆ Group of chemicals listed by EPA as requiring restriction from entering wastewater (see page 10).

Standard Industrial Classification Codes (SIC)

- ◆ Four digit code which indicates lines of business, published by the Bureau of the Budget, U.S. Government.

EPA Categorical Pretreatment Standards

- ◆ Industries grouped into manufacturing categories, each of which will receive a set of pretreatment limits to be published by the U.S. EPA (as of this date, 1982, only standards for electroplaters have been finalized).

Baseline Report

- ◆ Report submitted to the control authority (POTW or EPA) by an industry subject to final categorical standards. The report states how the industry will comply with the pretreatment standards, whether it already does comply or if it needs to install a pretreatment system (and if so, what is the time schedule for completion).

POTW

- ◆ Public Owned Treatment Works – The local municipal wastewater treatment plant.

Process Wastewater

- ◆ Wastewater discharged from manufacturing processes.

Sanitary (or Domestic) Wastewater

- ◆ Wastewater discharged from human sources: bathrooms, locker rooms, dining rooms.

NPDES Permit – (National Pollutant Discharge Elimination System)

- ◆ Permit issued by the U.S. EPA or the State regulating wastewater discharge to locations other than the municipal sewer (surface water, underground, etc.)

Captive Shop

- ◆ Those which own the material they process. Captives are further divided by two definitions.

Integrated

- ◆ Plants are those which, prior to discharge, combine electroplating waste streams with significant process waste streams from other operations.

Non-Integrated

- ◆ Are those which have significant wastewater discharges only from operations addressed by the electroplating category.

Job Shops

- ◆ Those which treat metal as service and do not own the material they process.

APPENDIX A
PRIORITY POLLUTANT SYNONYM LISTING

| CHEMICAL COMPOUND | SYNONYM | CHEMICAL COMPOUND | SYNONYM |
|-------------------------------|---|-------------------------------------|-------------------------------------|
| benzo (a) anthracene | 1,2-benzanthracene | di-n-octyl phthalate | di(2-ethylhexyl) phthalate |
| | 2,3-benzphenanthrene | 4,6-dinitro-2-methylphenol | 4,6-dinitro-ortho-cresol |
| benzo (a) pyrene | 3,4-benzopyrene | 1,2-diphenylhydrazine | hydrazobenzene |
| benzo (g,h,l) perylene | 1,12-benzoperylene | endosulfan I | a-endosulfan-alpha |
| benzo (k) fluoranthene | 11,12-benzofluoranthene | endosulfan II | b-endosulfan-beta |
| g-BHC | lindane | fluorene | (alpha)-diphenylene methane |
| bis (2-chloroethyl) ether | 2,2'-dichloroethyl ether | hexachlorobenzene | perchlorobenzene |
| bis (2-chloroethoxy) methane | 2,2'-dichloroethoxy methane | hexachlorocyclopentadiene | perchlorocyclopentadiene |
| bis (2-chloroisopropyl) ether | 2,2'-dichloroisopropyl ether | hexachloroethane | perchloroethane |
| bis (chloromethyl) ether | (sym) dichloromethyl ether | ideno (1,3,3-cd) pyrene | 2,3-ortho-phenylene pyrene |
| bis (2-ethylhexyl) phthalate | 2,2'-diethylhexyl phthalate | isophorone | 3,5,5-trimethyl-2-cyclohexen-1-one |
| bromodichloromethane | dichlorobromomethane | methylene chloride | dichloromethane |
| bromoform | tribromomethane | 2-nitrophenol | para-nitrophenol |
| bromomethane | methyl bromide | 4-nitrophenol | ortho-nitrophenol |
| carbon tetrachloride | tetrachloromethane | N-nitrosodimethylamine | dimethyl-nitrosoamine |
| 4-chloro-3-methylphenol | para-chloro-meta-cresol | N-nitrosodipropylamine | N-nitroso-di-n-propylamine |
| chloroethane | ethylchloride | N-nitrosodiphenylamine | diphenyl-nitrosoamine |
| chloroform | trichloromethane | PCB-1016 | Arochlor-1016 |
| chloromethane | methyl chloride | PCB-1221 | Arochlor-1221 |
| 2-chlorophenol | para-chlorophenol | PCB-1232 | Arochlor-1232 |
| chrysene | 1,2-benzphenanthrene | PCB-1242 | Arochlor-1242 |
| 4,4'-DDD | dichlorodiphenyldichloroethane | PCB-1248 | Arochlor-1248 |
| | p,p'-TDE | PCB-1254 | Arochlor-1254 |
| | tetrachlorodiphenylethane | PCB-1260 | Arochlor-1260 |
| 4,4'-DDE | dichlorodiphenyldichloroethylene p,p'-DDX | 2,3,7,8-tetrachlorodibenzo-p-dioxin | TCDD |
| 4,4'-DDT | dichlorodiphenyltrichloroethane | 1,1,2,2-tetrachloroethane | acetylene tetrachloride |
| dibenzo (a,h) anthracene | 1,2,5,6-dibenzanthracene | tetrachloroethene | perchloroethylene |
| dibromochloromethane | chlorodibromomethane | | tetrachloroethylene |
| 1,2-dichlorobenzene | ortho-dichlorobenzene | toluene | methylbenzene |
| 1,3-dichlorobenzene | meta-dichlorobenzene | | toluol |
| 1,4-dichlorobenzene | para-dichlorobenzene | 1,1,1-trichloroethane | methyl chloroform |
| dichlorodifluoromethane | difluorodichloromethane | 1,1,2-trichloroethane | vinyl trichloride |
| | fluorocarbon-12 | trichloroethene | trichloroethylene |
| 1,1-dichloroethane | ethylidene chloride | trichlorofluoromethane | fluorocarbon-11 |
| 1,2-dichloroethane | ethylene dichloride | | fluorotrichloromethane |
| | ethylene dichloride | vinyl chloride | chloroethene |
| 1,1-dichloroethene | 1,1-dichloroethylene | | chloroethylene |
| | 1,2(trans)-dichloroethylene | | |
| 1,2-dichloropropane | propylene dichloride | (cis & trans) 1,3-dichloropropene | (cis & trans) 1,3-dichloropropylene |
| diethyl phthalate | ethyl phthalate | 2,4-dimethylphenol | 2,4-xenol |