

Appendix:

**National Catalogue of Hazardous Wastes**

| <b>Category of the waste</b>  | <b>Source of the Waste</b>                                            | <b>Code of the waste</b> | <b>Hazardous waste</b>                                                                                                    | <b>Hazardous properties</b> |
|-------------------------------|-----------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| HW01<br>Medical wastes        | Waste from public health sector                                       | 851-001-01               | Medical wastes                                                                                                            | In                          |
|                               | Waste not from specific sources                                       | 900-001-01               | Wastes collected and disposed in order to prevent and control infectious disease in domestic animals                      | In                          |
| HW02<br>Pharmaceutical wastes | Waste from producing original medicine for chemical medicine products | 271-001-02               | Residues from distillation and reaction during the production of raw medicine for chemical medicine products              | T                           |
|                               |                                                                       | 271-002-02               | Waste mother liquor, reaction or culture medium from the production of raw medicine for chemical medicine products        | T                           |
|                               |                                                                       | 271-003-02               | Decolored and filtered substances (including carriers) from the production of raw medicine for chemical medicine products | T                           |
|                               |                                                                       | 271-004-02               | Abandoned absorbent, catalyst and solvent from the production of raw medicine for chemical medicine products              | T                           |
|                               |                                                                       | 271-005-02               | Waste medicine and expired raw material arising from production of raw medicine for chemical medicine products            | T                           |
|                               | Waste from producing chemical medicine agents                         | 272-001-02               | Residues from distillation and reaction during the production of chemical medicine agents                                 | T                           |
|                               |                                                                       | 272-002-02               | Waste mother liquor, reaction or culture medium from the production of chemical medicine agents                           | T                           |

| Category of the waste         | Source of the Waste                                   | Code of the waste | Hazardous waste                                                                                                                                  | Hazardous properties |
|-------------------------------|-------------------------------------------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                               |                                                       | 272-003-02        | Decolored and filtered substances (including carriers) from the production of chemical medicine agents                                           | T                    |
|                               |                                                       | 272-004-02        | Abandoned absorbent, catalyst and solvent from the production of chemical medicine agents                                                        | T                    |
|                               |                                                       | 272-005-02        | Waste medicine and expired raw material from production of chemical medicine agents                                                              | T                    |
|                               | Waste from manufacturing veterinary medicine products | 275-001-02        | Sludge from wastewater treatment from producing veterinary medicine products by using Arsenic or organic arsenic compounds                       | T                    |
|                               |                                                       | 275-002-02        | Residues from the distillation of aniline compounds in the production of veterinary medicine products using Arsenic or organic arsenic compounds | T                    |
| HW02<br>Pharmaceutical wastes | Waste from manufacturing veterinary medicine products | 275-003-02        | Residues of activated carbon used for decoloring in the production of veterinary medicine products using Arsenic or organic arsenic compounds    | T                    |
|                               |                                                       | 275-004-02        | Residues from distillation and reaction in the production of other veterinary medicine products                                                  | T                    |
|                               |                                                       | 275-005-02        | Decolored and filtered substances (including carriers) from the production of other veterinary medicine products                                 | T                    |
|                               |                                                       | 275-006-02        | Mother liquor, reaction and culture medium in the production of veterinary medicine products                                                     | T                    |

| Category of the waste | Source of the Waste                                        | Code of the waste               | Hazardous waste                                                                                                                                                             | Hazardous properties                                                                |
|-----------------------|------------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                       |                                                            | 275-007-02                      | Abandoned absorbent, catalyst and solvent from the production of veterinary medicine products                                                                               | T                                                                                   |
|                       |                                                            | 275-008-02                      | Waste medicine and expired raw material from production of veterinary medicine products                                                                                     | T                                                                                   |
|                       | Waste from manufacturing biological, bio-chemical products | 276-001-02                      | Residues from distillation and reaction in the production of bio-chemical medicine products and medicine under the gene project by biological technologies                  | T                                                                                   |
|                       |                                                            | 276-002-02                      | Mother liquor, reaction and culture medium in the production of bio-chemical medicine products and medicine under the gene project by biological technologies               | T                                                                                   |
|                       |                                                            | 276-003-02                      | Decolored and filtered substances (including carriers) from the production of bio-chemical medicine products and medicine under the gene project by biological technologies | T                                                                                   |
|                       |                                                            | 276-004-02                      | Waste absorbent, catalyst, and solvent from the production of bio-chemical medicine products and medicine under the gene project by biological technologies                 | T                                                                                   |
|                       |                                                            | 276-005-02                      | Waste medicine and expired raw material from production of bio-chemical medicine products and medicine under the gene project by biological technologies                    | T                                                                                   |
|                       | HW03<br>Waste pharmaceuticals,                             | Waste not from specific sources | 900-002-03                                                                                                                                                                  | Ineffective, deteriorated, unqualified, eliminated, and fake pharmaceuticals, drugs |

| Category of the waste    | Source of the Waste                 | Code of the waste | Hazardous waste                                                                                                                                                                                                                                                                  | Hazardous properties |
|--------------------------|-------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| drugs and medicines      |                                     |                   | and medicines in the production, marketing, and use processes (excluding waste pharmaceuticals in HW01, HW02, and 900-999-49)                                                                                                                                                    |                      |
| HW04<br>Pesticide wastes | Waste from manufacturing pesticides | 263-001-04        | Residues from the filtration by Hexachlorocyclopentadiene in the production of Chlordane; waste discharged by vacuum stripper in the chlorinate rector of Chlordane                                                                                                              | T                    |
|                          |                                     | 263-002-04        | Distillation residues from methylbenzene recycling process in the production of disulfoton                                                                                                                                                                                       | T                    |
|                          |                                     | 263-003-04        | Filter cake from the filtration by diethyl dithiophosphate in the production of phorate                                                                                                                                                                                          | T                    |
|                          |                                     | 263-004-04        | Heavy cut and distillation residues from distilling tetrachlorobenzene in the production of 2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)                                                                                                                                         | T                    |
|                          |                                     | 263-005-04        | Residues containing 2,6-Dichlorophenol from the production of 2,4-Dichlorophenoxyacetic acid (2,4-D)                                                                                                                                                                             | T                    |
| HW04<br>Pesticide waste  | Waste from manufacturing pesticides | 263-006-04        | Residues from filtration, evaporation, and centrifugal separation and wastewater treatment sludge in the production of vinyl bis-aminodithioformic acid and its salts; dust from bag dust collector and residue from the ground cleaning in the grinding and packaging processes | T                    |

| Category of the waste                               | Source of the Waste                                  | Code of the waste | Hazardous waste                                                                                                                                                                                 | Hazardous properties |
|-----------------------------------------------------|------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                                                     |                                                      | 263-007-04        | Wastewater from the reactor in the production of bromomethane and waste vitriol from the acid dryer; waste adsorbent from the production process and solid wastes from the wastewater separator | T                    |
|                                                     |                                                      | 263-008-04        | Residues from distillation and reaction in the production of other pesticides                                                                                                                   | T                    |
|                                                     |                                                      | 263-009-04        | Mother liquor from the production of pesticides and cleansing liquid (of reactors and containers)                                                                                               | T                    |
|                                                     |                                                      | 263-010-04        | Absorbed and filtered substances in the production of pesticide (including carrier, absorbent, and catalyst)                                                                                    | T                    |
|                                                     |                                                      | 263-011-04        | Sludge from wastewater treatment in the production of pesticides                                                                                                                                | T                    |
|                                                     |                                                      | 263-012-04        | Waste medicine and expired raw material in the production and preparation of pesticides                                                                                                         | T                    |
|                                                     | Waste not from specific sources                      | 900-003-04        | Ineffective, deteriorated, unqualified, eliminated, and fake pesticides in the marketing and use processes                                                                                      | T                    |
| HW05<br>Wastes containing wood preserving chemicals | Waste from processing industrial wood and wood chips | 201-001-05        | Wastewater treatment sludge from preserving woods with pentachlorophenol, and the waste timber residues tainted with this preservative in this process                                          | T                    |
|                                                     |                                                      | 201-002-05        | Wastewater treatment sludge from preserving wood with creosote, and the waste timber residues tainted with this preservative in this process                                                    | T                    |

| Category of the waste      | Source of the Waste                                             | Code of the waste | Hazardous waste                                                                                                                                                                            | Hazardous properties |
|----------------------------|-----------------------------------------------------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                            |                                                                 | 201-003-05        | Wastewater treatment sludge from preserving woods with inorganic preservatives containing arsenic, cadmium, etc., and waste timber residues tainted with this preservative in this process | T                    |
|                            | Waste from manufacturing chemical products for special purposes | 266-001-05        | Residues from chemical reactions, absorbed and filtered substances, and carriers in producing chemicals for wood persevering                                                               | T                    |
|                            |                                                                 | 266-002-05 *      | Wastewater treatment sludge from producing chemicals for wood preserving                                                                                                                   | T                    |
|                            |                                                                 | 266-003-05        | Waste medicine and expired raw material from producing and preparing chemicals for wood preserving                                                                                         | T                    |
|                            | Waste not from specific sources                                 | 900-004-05        | Ineffective, deteriorated, unqualified, eliminated, and fake wood preservatives during marketing and use                                                                                   | T                    |
| HW06 Organic solvent waste | Waste from manufacturing basic chemical raw materials           | 261-001-06        | Waste liquid from producing nitrobenzene-aniline                                                                                                                                           | T                    |
| HW06 Organic solvent waste | Waste from manufacturing basic chemical raw materials           | 261-002-06        | Effluent from the top of the tower due to the exhaust of separation and condensing reactors in producing 1,1-Dimethyl hydrazine by carboxylic hydrazine method                             | T                    |
|                            |                                                                 | 261-003-06        | Waste filter elements from the refining process in producing 1,1-Dimethyl hydrazine by carboxylic hydrazine method                                                                         | T                    |
|                            |                                                                 | 261-004-06        | Waste washing liquid from producing Dinitro toluene by nitrifying methylbenzene                                                                                                            | T                    |

| Category of the waste                                 | Source of the Waste                                   | Code of the waste | Hazardous waste                                                                                                                                                                                                             | Hazardous properties |
|-------------------------------------------------------|-------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                                                       |                                                       | 261-005-06        | Residues, waste catalysts, absorbed and filtered substances and carriers from the reactions during the synthesizing, cracking, separation, decoloring, catalyzing, depositing, and rectifying processes of organic solvents | I, T                 |
|                                                       |                                                       | 261-006-06        | Washing sundries that contain organic solvents from producing, preparing, and using of them                                                                                                                                 | I, T                 |
| HW07<br>Wastes from heat treatment containing cyanide | Waste from metal surface treatment and heat treatment | 346-001-07        | Residues in the quenching baths while having heat treatment to metals by cyanide                                                                                                                                            | T                    |
|                                                       |                                                       | 346-002-07        | Wastewater treatment sludge after quenching in metal heat treatment to by cyanide                                                                                                                                           | T                    |
|                                                       |                                                       | 346-003-07        | Waste inner liners in repairing heat treatment furnaces containing cyanide                                                                                                                                                  | T                    |
|                                                       |                                                       | 346-004-07        | Cyanide residues from cementation of heat treatment in the carburizing furnaces for heat treatment                                                                                                                          | T                    |
|                                                       |                                                       | 346-005-07        | Waste cyanide residues from cleaning salt bath kettles in the heat treatment of metals                                                                                                                                      | R, T                 |
|                                                       |                                                       | 346-049-07        | Cyanide residues from other heat treatment and tempering operations                                                                                                                                                         | T                    |
| HW08<br>Waste mineral oils                            | Waste from exploitation of crude oil and natural gas  | 071-001-08        | Oil sludge and oil sediment from the exploitation and refinery of oils                                                                                                                                                      | T, I                 |
|                                                       |                                                       | 071-002-08        | Sludge from the treatment of waste drilling fluid                                                                                                                                                                           | T                    |
|                                                       | Waste from manufacturing refined oil products         | 251-001-08        | Oil/water and hydrocarbon/water mixture from washing oil tank (pool) or oil parts                                                                                                                                           | T                    |

| Category of the waste | Source of the Waste                                                                                   | Code of the waste             | Hazardous waste                                                                                                                                                                                                                                         | Hazardous properties |
|-----------------------|-------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                       |                                                                                                       | 251-002-08                    | Wastewater treatment sludge from the primary refinery of oils, and sludge from the storage facilities, oil-water-solid substance separator, water collection tank, ditches and other transportation pipes, sewage pools, and rainwater collection pipes | T                    |
|                       |                                                                                                       | 251-003-08                    | Sludge from API separator in oil refinery process and sludge from the treatment of wastewater from gasoline refinery process and cooling wastewater                                                                                                     | T                    |
|                       |                                                                                                       | 251-004-08                    | Dross from dissolved air flotation in oil refinery process                                                                                                                                                                                              | T, I                 |
|                       |                                                                                                       | 251-005-08                    | Spilled waste oil or emulsion in oil refinery process                                                                                                                                                                                                   | T, I                 |
|                       |                                                                                                       | 251-006-08                    | Sludge from washing the tubes of the heat exchanger in oil refinery process                                                                                                                                                                             | T                    |
|                       |                                                                                                       | 251-007-08                    | Sludge from oil trapping facilities in oil refinery process                                                                                                                                                                                             | T                    |
|                       |                                                                                                       | HW08<br>Waste mineral<br>oils | Waste from<br>manufacturing<br>refined oil<br>products                                                                                                                                                                                                  | 251-008-08           |
| 251-009-08            | Sediments in the crude oil storage facilities in oil refinery process                                 |                               |                                                                                                                                                                                                                                                         | T, I                 |
| 251-010-08            | Sediments in the bottom of the oil slurry settling tank in oil refinery process                       |                               |                                                                                                                                                                                                                                                         | T, I                 |
| 251-011-08            | Residues in the filtering or separating equipment of the oil intake pipes during oil refinery process |                               |                                                                                                                                                                                                                                                         | T, I                 |
| 251-012-08            | Waste filtered clay from oil refinery process                                                         |                               |                                                                                                                                                                                                                                                         | T                    |



| <b>Category of the waste</b> | <b>Source of the Waste</b>                                                  | <b>Code of the waste</b> | <b>Hazardous waste</b>                                                                      | <b>Hazardous properties</b> |
|------------------------------|-----------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------------------------|-----------------------------|
|                              | Waste from manufacturing coatings, printing ink, dyes, and related products | 264-001-08               | Waste dispersed oil in producing and preparing printing ink                                 | T                           |
|                              | Waste from manufacturing chemical products for special purposes             | 266-004-08               | Waste retinol from producing and preparing adhesives and sealants                           | T                           |
|                              | Waste from manufacturing ships and floating installations                   | 375-001-08               | Waste oil and oil slurry from dismantling ships                                             | T, I                        |
|                              | Waste not from specific sources                                             | 900-200-08               | Waste mineral oil and sludge containing oils from honing, rubbing and polishing processes   | T                           |
|                              |                                                                             | 900-201-08               | Waste mineral oils from using kerosene and diesel to clean metal parts or engines           | T, I                        |
|                              |                                                                             | 900-202-08               | Waste mineral oils from using cutting oil and liquid for mechanical processing              | T                           |
|                              |                                                                             | 900-203-08               | Waste mineral oils from using quenching oils to have surface hardening                      | T                           |
|                              |                                                                             | 900-204-08               | Waste mineral oils from using rolling oils, refrigerants, and acids to roll the metals      | T                           |
|                              |                                                                             | 900-205-08               | Waste mineral oils from using tinning oil to solder tin                                     | T                           |
|                              |                                                                             | 900-206-08               | Waste mineral oils from recycling tin and tin soldering                                     | T                           |
|                              |                                                                             | 900-207-08               | Waste mineral oils from using tinning oil to remove oils by steam                           | T                           |
|                              |                                                                             | 900-208-08               | Waste mineral oils from using tinning oil (anti-oxidation) to have heat air leveling (HASL) | T                           |

| Category of the waste                                             | Source of the Waste             | Code of the waste | Hazardous waste                                                                                                                                                 | Hazardous properties |
|-------------------------------------------------------------------|---------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                                                                   |                                 | 900-209-08        | Abandoned paraffin and grease                                                                                                                                   | T, I                 |
|                                                                   |                                 | 900-210-08        | Waste oils and sludge from oil/water separation facilities                                                                                                      | T, I                 |
|                                                                   |                                 | 900-249-08        | Waste mineral oils from other production, marketing and use processes                                                                                           | T, I                 |
| HW09<br>Oil/water, hydrocarbon/water mixture or emulsified liquid | Waste not from specific sources | 900-005-09        | Oil/water, hydrocarbon/water mixture or emulsified liquid replaced from water press on a regular basis                                                          | T                    |
|                                                                   |                                 | 900-006-09        | Oil/water, hydrocarbon/water mixture or emulsified liquid replaced from using cutting oils and liquid for mechanical processing                                 | T                    |
|                                                                   |                                 | 900-007-09        | Oil/water, hydrocarbon/water mixture or emulsified liquid from other processes                                                                                  | T                    |
| HW10<br>Wastes containing PCBs and PBBs                           | Waste not from specific sources | 900-008-10        | Waste circuit plate, capacitor, and transformer containing PCBs, PCTs, and PBBs                                                                                 | T                    |
|                                                                   |                                 | 900-009-10        | Liquid from washing power facilities containing PCBs, PCTs and PBBs                                                                                             | T                    |
|                                                                   |                                 | 900-010-10        | Medium fluid, insulation fluid, cooling oil and heat-transformer fluid dumped from power facilities containing PCBs, PCTs and PBBs                              | T                    |
|                                                                   |                                 | 900-011-10        | Waste packaging and container that contain or taint with PCBs, PCTs and PBBs                                                                                    | T                    |
|                                                                   |                                 | 900-012-10        | Wastes, substances and articles that contain or taint with PCBs, PCTs, PBBs, and PCNs and polybromonaphthalene, and the levels of them are no less than 50mg/kg | T                    |

| Category of the waste                                 | Source of the Waste                           | Code of the waste | Hazardous waste                                                                                                                     | Hazardous properties |
|-------------------------------------------------------|-----------------------------------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| HW11<br>Residues of<br>rectifying and<br>distillation | Waste from manufacturing refined oil products | 251-013-11        | Acid tar and other tars from oil refinery                                                                                           | T                    |
|                                                       | Waste from coking industry                    | 252-001-11        | Pressure filtration sludge produced by ammonia vaporizing tower in the coking process                                               | T                    |
|                                                       |                                               | 252-002-11        | Tar-shaped sludge from the bottom of settling facilities in coking process                                                          | T                    |
|                                                       |                                               | 252-003-11        | Residues from recycling naphthalene during the recycling of coking by-products                                                      | T                    |
|                                                       |                                               | 252-004-11        | Residues from tar storage facilities during coking process and the recycling of coking by-products                                  | T                    |
|                                                       |                                               | 252-005-11        | Residues from tar storage facilities in the refining of coal tar                                                                    | T                    |
|                                                       |                                               | 252-006-11        | Distillation residues of coal tar, including substances in the bottom of distillation kettles                                       | T                    |
|                                                       |                                               | 252-007-11        | Residues from the recycling of coal tar, including residues from sewage pools during the recycling of coking by-products            | T                    |
|                                                       |                                               | 252-008-11        | Residues from recycling light oils, including residues from distillers, settling facilities, and units for recycling detergent oils | T                    |
|                                                       |                                               | 252-009-11        | Residues in the sewage pools in refining light oils                                                                                 | T                    |
|                                                       |                                               | 252-010-11        | Coal tar residues from separating coal oils in the coal gas and coal chemical industry                                              | T                    |
|                                                       |                                               | 252-011-11        | Other acid tar and tars from the production of coke                                                                                 | T                    |

| Category of the waste                           | Source of the Waste                                      | Code of the waste | Hazardous waste                                                                                                                                          | Hazardous properties |
|-------------------------------------------------|----------------------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| HW11<br>Residues of Rectifying and distillation | Waste from manufacturing of basic chemical raw materials | 261-007-11        | Distillation residues from the production of acetaldehyde using ethylene                                                                                 | T                    |
|                                                 |                                                          | 261-008-11        | Minor distillation parts from the production of acetaldehyde using ethylene                                                                              | T                    |
|                                                 |                                                          | 261-009-11        | Substances in the bottom of the distillation kettle by distilling benzyl chloride in its production process                                              | T                    |
|                                                 |                                                          | 261-010-11        | Distillation residues in the process to produce carbon tetrachloride                                                                                     | T                    |
|                                                 |                                                          | 261-011-11        | Substances in the bottom of the distillation kettle from the treating tower in the process to produce epichlorohydrin                                    | T                    |
|                                                 |                                                          | 261-012-11        | Tar in the bottom of the distillation tower in the process to produce phenol and acetone by isopropylbenzene                                             | T                    |
|                                                 |                                                          | 261-013-11        | Residues and light distillation parts in the bottom of the distillation tower in the process to produce <i>o</i> -Phthalic anhydride by naphthalene      | T                    |
|                                                 |                                                          | 261-014-11        | Residues and light distillation parts in the bottom of the distillation tower in the process to produce <i>o</i> -Phthalic anhydride by <i>o</i> -Xylene | T                    |
|                                                 |                                                          | 261-015-11        | Substances in the bottom of the distillation kettle in the process to produce nitrobenzene by nitrifying benzene                                         | T                    |
|                                                 |                                                          | 261-016-11        | Distillation residues and residues from centrifugal separation in the process to produce Toluene diisocyanate (TDI)                                      | T                    |

| Category of the waste | Source of the Waste | Code of the waste | Hazardous waste                                                                                                                                             | Hazardous properties |
|-----------------------|---------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                       |                     | 261-017-11        | Distillation residues in the process to produce 1,1,1-trichloroethane                                                                                       | T                    |
|                       |                     | 261-018-11        | Residues in the bottom of the distillation tower in the process to produce trichloroethylene and tetrachloroethylene                                        | T                    |
|                       |                     | 261-019-11        | Distillation residues in the process to produce aniline                                                                                                     | T                    |
|                       |                     | 261-020-11        | Residues from aniline extraction procedure in aniline production                                                                                            | T                    |
|                       |                     | 261-021-11        | Waste liquid from the reaction in the drying tower during the process to produce Toluene Diamine (TDA) by adding hydrogen to Dinitrotoluene                 | T                    |
|                       |                     | 261-022-11        | Cooling liquid and light distillation parts from refining the products in the process to produce Toluene Diamine (TDA) by adding hydrogen to Dinitrotoluene | T                    |
|                       |                     | 261-023-11        | Waste liquid from refining the products in the process to produce Toluene Diamine (TDA) by adding hydrogen to Dinitrotoluene                                | T                    |
|                       |                     | 261-024-11        | Heavy cut from refining the products in the process to produce Toluene Diamine (TDA) by adding hydrogen to Dinitrotoluene                                   | T                    |
|                       |                     | 261-025-11        | Organic cooling substances from the solvent recycling tower in the process to produce Toluene diisocyanate (TDI) by phosgenation of Toluene Diamine (TDA)   | T                    |

| Category of the waste                           | Source of the Waste                                      | Code of the waste | Hazardous waste                                                                                                                               | Hazardous properties |
|-------------------------------------------------|----------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                                                 |                                                          | 261-026-11        | Substances in the bottom of the distillation tower and fractionate tower in the process to produce chlorobenzene                              | T                    |
| HW11<br>Residues of Rectifying and distillation | Waste from manufacturing of basic chemical raw materials | 261-027-11        | Residues in the bottom of the tower from separating products in the process to produce 1,1-Dimethyl hydrazine by carboxylic hydrazine method  | T                    |
|                                                 |                                                          | 261-028-11        | Substances in the bottom of the distillation kettle from refining products in the process to produce Ethylene dibromide by bromizing ethylene | T                    |
|                                                 |                                                          | 261-029-11        | Distillation residues from the production of $\alpha$ -chlorotoluene, Benzoyl chloride, and chemicals containing such functional groups       | T                    |
|                                                 |                                                          | 261-030-11        | Heavy cut from the production of carbon tetrachloride                                                                                         | T                    |
|                                                 |                                                          | 261-031-11        | Heavy cut from distilling ethylene dichloride in the process to produce it                                                                    | T                    |
|                                                 |                                                          | 261-032-11        | Heavy cut from distilling chloroethylene in the process to produce Vinyl chloride monomer                                                     | T                    |
|                                                 |                                                          | 261-033-11        | Waste from the steam stripper in the process to produce 1,1,1-trichloroethane                                                                 | T                    |
|                                                 |                                                          | 261-034-11        | Heavy cut from the heavy cut tower in the process to produce 1,1,1-trichloroethane                                                            | T                    |
|                                                 |                                                          | 261-035-11        | Heavy cut from producing trichloroethylene and Tetrachloroethylene                                                                            | T                    |
|                                                 |                                                          |                   | Waste from smelting common non-ferrous metals                                                                                                 | 331-001-11           |

| Category of the waste         | Source of the Waste                                                             | Code of the waste | Hazardous waste                                                                                                                                                                                    | Hazardous properties |
|-------------------------------|---------------------------------------------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                               | Waste from environmental management industry                                    | 802-001-11        | Acid tar from recycling waste oils                                                                                                                                                                 | T                    |
|                               | Waste not from specific sources                                                 | 900-013-11        | Waste tar-shaped residues from other refining, distilling, and any pyrolysis treatment processes                                                                                                   | T                    |
| HW12<br>Waste dyes and paints | Waste from manufacturing paints, printing ink and dyes                          | 264-002-12        | Wastewater treatment sludge from producing chrome yellow and chrome orange dyes                                                                                                                    | T                    |
|                               |                                                                                 | 264-003-12        | Wastewater treatment sludge from producing molybdic acid orange                                                                                                                                    | T                    |
|                               |                                                                                 | 264-004-12        | Wastewater treatment sludge from producing zinc yellow                                                                                                                                             | T                    |
|                               |                                                                                 | 264-005-12        | Wastewater treatment sludge from producing chromium green                                                                                                                                          | T                    |
|                               |                                                                                 | 264-006-12        | Wastewater treatment sludge from producing chromium oxide green                                                                                                                                    | T                    |
|                               |                                                                                 | 264-007-12        | Residues from dyer furnaces from producing chromium oxide green                                                                                                                                    | T                    |
|                               |                                                                                 | 264-008-12        | Wastewater treatment sludge from producing iron blue                                                                                                                                               | T                    |
|                               |                                                                                 | 264-009-12        | Detergent wastewater and sludge from cleaning pools, tanks and equipment in the process to prepare printing ink by pigment, desiccant, soap, and stabilizing agent that contains chromium and lead | T                    |
| HW12<br>Waste dyes and paints | Waste from manufacturing paints, printing ink, dyes and other relevant products | 264-010-12        | Waste etching liquid from producing and preparing printing ink                                                                                                                                     | T                    |
|                               |                                                                                 | 264-011-12        | Waste mother liquor, residues, and intermediate waste from producing other printing ink, dyes, pigment, paint, lacquer and finishing paint                                                         | T                    |

| Category of the waste | Source of the Waste             | Code of the waste | Hazardous waste                                                                                                                            | Hazardous properties |
|-----------------------|---------------------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                       |                                 | 264-012-12        | Wastewater treatment sludge from producing other printing ink, dyes, pigment, paint, lacquer and finishing paint; waste absorbent          | T                    |
|                       |                                 | 264-013-12        | Organic solvent waste that contain dyes and printing ink and come from the process to produce, prepare and use paints and printing ink     | T                    |
|                       | Waste from producing paper pulp | 221-001-12        | Deinking residues from recycling waste paper                                                                                               | T                    |
|                       | Waste not from specific sources | 900-250-12        | Dye and paint waste from cloth painting and paint spraying processes with solvent and gloss paint                                          | T, I                 |
|                       |                                 | 900-251-12        | Dye and paint waste from coating the barriers with paint and organic solvent                                                               | T, I                 |
|                       |                                 | 900-252-12        | Dye and paint waste from spraying and applying paints with paints and organic solvent                                                      | T, I                 |
|                       |                                 | 900-253-12        | Dye and paint waste from screen printing with printing ink and organic solvent                                                             | T, I                 |
|                       |                                 | 900-254-12        | Dye and paint waste from coating covering oil with covering oil and organic solvent                                                        | T, I                 |
|                       |                                 | 900-255-12        | Dye and paint waste from the coloring process with pigments                                                                                | T                    |
|                       |                                 | 900-256-12        | Stripped substances in the process to rinse paints, dyes and coatings off containers and equipment with acid, alkaline or organic solvents | T                    |



| Category of the waste            | Source of the Waste                                   | Code of the waste | Hazardous waste                                                                                                                                                                                         | Hazardous properties |
|----------------------------------|-------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                                  |                                                       | 900-299-12        | Ineffective, deteriorated, unqualified, eliminated, and fake printing ink, dyes, pigment, lacquer, and finishing paint in the production, marketing, and use processes                                  | T, I                 |
| HW13<br>Organic resins<br>wastes | Waste from manufacturing basic chemical raw materials | 261-036-13        | Unqualified products, by-products and wastes from production of resins, latex, plasticizers, and glues/adhesives                                                                                        | T                    |
|                                  |                                                       | 261-037-13        | Waste catalysts and mother liquor from synthetization, esterification and condensation processes in the production of resins, latex, plasticizers, and glues/adhesives                                  | T                    |
|                                  |                                                       | 261-038-13        | Residue liquid in kettles, filtering medium and filtered substances arising from rectification, separation and refining processes in the production of resins, latex, plasticizers, and glues/adhesives | T                    |
|                                  |                                                       | 261-039-13        | Wastewater treatment sludge from producing resins, latex, plasticizers, and glues/adhesives                                                                                                             | T                    |
| HW13<br>Organic resins<br>wastes | Waste not from specific sources                       | 900-014-13        | Waste adhesives and sealant                                                                                                                                                                             | T                    |
|                                  |                                                       | 900-015-13        | Saturated or abandoned ion exchange resins                                                                                                                                                              | T                    |
|                                  |                                                       | 900-016-13        | Peeled esters and bondants from articles and inside of containers by using solvent or acid or alkaline                                                                                                  | T                    |
| HW14<br>New chemical<br>wastes   | Waste not from specific sources                       | 900-017-14        | Waste chemical substances arising from research and development or teaching activities and whose effects on man and/or the environment are                                                              | T/C/In/I/R           |

| Category of the waste                | Source of the Waste                                                 | Code of the waste | Hazardous waste                                                                                                                                                                       | Hazardous properties |
|--------------------------------------|---------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                                      |                                                                     |                   | not known                                                                                                                                                                             |                      |
| HW15<br>Explosive wastes             | Waste from manufacturing dynamite and initiating explosive products | 266-005-15        | Wastewater treatment sludge from producing and processing dynamite                                                                                                                    | R                    |
|                                      |                                                                     | 266-006-15        | Waste charcoal from treating wastewater that contains explosives                                                                                                                      | R                    |
|                                      |                                                                     | 266-007-15        | Wastewater treatment sludge from producing, preparing and loading lead-based detonating agents                                                                                        | T, R                 |
|                                      |                                                                     | 266-008-15        | Pink water and red water from producing trinitrotoluene (TNT), and sludge from wastewater treatment                                                                                   | R                    |
|                                      | Waste not from specific sources                                     | 900-018-15        | Air bag (supplemental restraint system) that are collected after dismantling and not yet detonated                                                                                    | R                    |
| HW16<br>Photographic chemical wastes | Waste from manufacturing chemical products for special purposes     | 266-009-16        | Unqualified products and expired products from the production of waste developer, fixing bath, positive and negative film, photographic paper, raw photographic material and medicine | T                    |
|                                      |                                                                     | 266-010-16        | Residues and wastewater treatment sludge from the production of waste developer, fixing bath, positive and negative film, photographic paper, raw photographic material and medicine  | T                    |

| Category of the waste | Source of the Waste                                 | Code of the waste                                      | Hazardous waste                                                                                                                                                                                                              | Hazardous properties                                                             |
|-----------------------|-----------------------------------------------------|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|                       | Waste from printing industry                        | 231-001-16                                             | Waste developer, fixing bath, film and photographic paper arising from using developer to develop the film, using fixing bath to fix the film, and using potassium ferricyanide and thiosulfate to reduce (blanch) the image | T                                                                                |
|                       |                                                     | 231-002-16                                             | Waste developer, fixing bath, film, and photographic paper arising from developing printings and etching resist pictures as well as from relief printing                                                                     | T                                                                                |
|                       | Waste from manufacturing electronic components      | 406-001-16                                             | Waste developer, fixing bath, film, and photographic paper arising from developing the film with developer, hydrate, metabisulfite, and acetic acid                                                                          | T                                                                                |
|                       | Waste from film industry                            | 893-001-16                                             | Waste developer, fixing bath, film, and photographic paper arising from the application and operation activities by film studios                                                                                             | T                                                                                |
|                       | Waste from photography and photo-enlarging services | 828-001-16                                             | Waste developer, fixing bath, film, and photographic paper arising from the application and operation activities by photography and photo-enlarging services                                                                 | T                                                                                |
|                       | Waste not from specific sources                     | 900-019-16                                             | Waste developer, fixing bath, film, and photographic paper arising from the application and operation activities by other industries                                                                                         | T                                                                                |
|                       | HW17<br>Wastes from surface treatment               | Wastes from metal surface treatment and heat treatment | 346-050-17                                                                                                                                                                                                                   | Residues and wastewater treatment sludge from sensitizing with stannous chloride |

| Category of the waste | Source of the Waste | Code of the waste | Hazardous waste                                                                                                                                                      | Hazardous properties |
|-----------------------|---------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                       |                     | 346-051-17        | Residues and wastewater treatment sludge from sensitizing with zinc chloride and ammonium chloride                                                                   | T                    |
|                       |                     | 346-052-17<br>*   | Wastewater and residues from plating tanks and sludge from wastewater treatment while plating zinc with zinc and plating chemicals                                   | T                    |
|                       |                     | 346-053-17        | Wastewater and residues from plating tanks and sludge from wastewater treatment while plating cadmium with cadmium and plating chemicals                             | T                    |
|                       |                     | 346-054-17<br>*   | Wastewater and residues from plating tanks and sludge from wastewater treatment while plating nickel with nickel and plating chemicals                               | T                    |
|                       |                     | 346-055-17<br>*   | Wastewater and residues from plating tanks and sludge from wastewater treatment while plating nickel with nickel plating baths                                       | T                    |
|                       |                     | 346-056-17        | Wastewater and residues from plating tanks and sludge from wastewater treatment while plating silver by metablization with silver nitrate, alkaline and formaldehyde | T                    |
|                       |                     | 346-057-17        | Wastewater and residues from plating tanks and sludge from wastewater treatment while plating gold with gold and plating chemicals                                   | T                    |
|                       |                     | 346-058-17<br>*   | Wastewater and residues from plating tanks and sludge from wastewater treatment while plating cooper by chemical approach with cooper plating liquid                 | T                    |

| Category of the waste                 | Source of the Waste                                    | Code of the waste | Hazardous waste                                                                                                                                                                 | Hazardous properties |
|---------------------------------------|--------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                                       |                                                        | 346-059-17        | Residues and sludge from wastewater treatment while having activation treatment with Palladium and tin salts                                                                    | T                    |
|                                       |                                                        | 346-060-17        | Wastewater and residues from plating tanks and sludge from wastewater treatment while plating black chromium with chromium and plating chemicals                                | T                    |
|                                       |                                                        | 346-061-17        | Residues and sludge from wastewater treatment while removing the glue off the drilling holes with potassium permanganate                                                        | T                    |
|                                       |                                                        | 346-062-17<br>*   | Wastewater and residues from plating tanks and sludge from wastewater treatment while plating copper with copper and plating chemicals                                          | T                    |
|                                       |                                                        | 346-063-17<br>*   | Wastewater and residues from plating tanks and sludge from wastewater treatment in other plating processes                                                                      | T                    |
|                                       |                                                        | 346-064-17        | Waste corrosive liquid, washing liquid and sludge from washing the surfaces of metals and plastics with acid (alkaline), removing the oils or rust off them, and cleansing them | T                    |
|                                       |                                                        | 346-065-17        | Residues (liquid) and sludge from phosphorizing and polishing and chemical polishing processes of metal and plastic surfaces                                                    | T                    |
|                                       |                                                        | 346-066-17        | Waste liquid and residues from removing the platings                                                                                                                            | T                    |
| HW17<br>Wastes from surface treatment | Wastes from metal surface treatment and heat treatment | 346-099-17        | Waste from surface treatment in other processes                                                                                                                                 | T                    |

| Category of the waste                     | Source of the Waste                                          | Code of the waste | Hazardous waste                                                                                                                                                                                  | Hazardous properties |
|-------------------------------------------|--------------------------------------------------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| HW18<br>Residues of incinerating disposal | Waste from environmental treatment                           | 802-002-18        | Fly ash from incinerating domestic garbage                                                                                                                                                       | T                    |
|                                           |                                                              | 802-003-18        | Residues and fly ash from incineration and pyrolysis of hazardous wastes (except residues from incinerating medical wastes)                                                                      | T                    |
|                                           |                                                              | 802-004-18        | Substances in non-glassy state and fly ash from plasma treatment and high-temperature melting treatment of hazardous wastes                                                                      | T                    |
|                                           |                                                              | 802-005-18        | Waste activated carbon and filter cake from the treatment of waste gas produced during incineration of solid and liquid wastes                                                                   | T                    |
| HW19<br>Metal carbonyl compound wastes    | Waste not from specific sources                              | 900-020-19        | Wastes containing carbonyl compounds from the production and use of metal carbonyl compounds                                                                                                     | T                    |
| HW20<br>Beryllium wastes                  | Waste from the manufacturing of basic chemical raw materials | 261-040-20        | Slag from the production of beryllium and its compounds, the dust from the dust collection/removal installations and wastewater treatment sludge                                                 | T                    |
| HW21<br>Chromium wastes                   | Waste from fur dressing and processing                       | 193-001-21<br>*   | Sludge from wastewater treatment from chromium tannage and retanning processes with chromium tanning agents                                                                                      | T                    |
|                                           |                                                              | 193-002-21<br>*   | Leather scraps containing chromium from the process to cut leathers                                                                                                                              | T                    |
|                                           | Waste from printing                                          | 231-003-21<br>*   | Residues and sludge from wastewater treatment<br>Use colloid organic solvent and adhesive containing heavy chromate for rotational flow anti-corrosion painted cloth (anti-corrosion and optical | T                    |

| Category of the waste   | Source of the Waste                                          | Code of the waste | Hazardous waste                                                                                                                                                                                    | Hazardous properties |
|-------------------------|--------------------------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                         |                                                              |                   | sensitive anti-corrosion layers)                                                                                                                                                                   |                      |
|                         |                                                              | 231-004-21<br>*   | Residues and sludge from wastewater treatment in the process to use chromium compounds to chemically harden etching resist                                                                         | T                    |
|                         |                                                              | 231-005-21<br>*   | Wastewater and residues from plating tanks and sludge from wastewater treatment while plating chromium with chromic acid                                                                           | T                    |
|                         | Waste from the manufacturing of basic chemical raw materials | 261-041-21        | Chromium leaching residues (chromium residues) from producing chromium salt by calcium roasting method                                                                                             | T                    |
|                         |                                                              | 261-042-21        | Aluminum hydroxide wet residues (aluminum slurry) that contain chromium and come from the removal of aluminum by neutralization in the process to produce chromium salt by calcium roasting method | T                    |
|                         |                                                              | 261-043-21        | By-product residues (sodium bisulfate that contains chromium) from the production of chromic anhydride in the process to produce chromium salt by calcium roasting method                          | T                    |
|                         |                                                              | 261-044-21<br>*   | Sludge from wastewater treatment in the process to produce chromium salt by calcium roasting method                                                                                                | T                    |
|                         |                                                              |                   |                                                                                                                                                                                                    |                      |
| HW21<br>Chromium wastes | Waste from smelting ferro-ally                               | 324-001-21        | Fly ash and sludge from the exhaust control facilities in the process to produce chromium-iron-silicon ally                                                                                        | T                    |
|                         |                                                              | 324-002-21        | Fly ash and sludge from the exhaust control facilities in the process to produce iron-chromium alloy                                                                                               | T                    |

| Category of the waste | Source of the Waste                                       | Code of the waste | Hazardous waste                                                                                                                                        | Hazardous properties |
|-----------------------|-----------------------------------------------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                       |                                                           | 324-003-21        | Chromium leaching residues from chromium smelting in the process to produce iron-chromium alloy                                                        | T                    |
|                       | Waste from metal surface treatment and heat treatment     | 346-100-21 *      | Wastewater and residues from tanks and sludge from wastewater treatment while having anodic oxidation with chromium acid                               | T                    |
|                       |                                                           | 346-101-21        | Waste from surface roughening of plastics with chromium acid                                                                                           | T                    |
|                       | Waste from manufacturing electronic components            | 406-002-21        | Waste from removing glue off drilling holes with chromium acid                                                                                         | T                    |
| HW22<br>Copper wastes | Waste from mining and smelting of common nonferrous metal | 091-001-22        | Dust collected by the dust collector/removal installations in mining and smelting copper ores, such as copper sulfide ore and oxide copper ore         | T                    |
|                       | Waste from printing                                       | 231-006-22 *      | Waste etching liquid and sludge from wastewater treatment in copper etching with acid or ferric chloride                                               | T                    |
|                       | Waste from producing glass and glass products             | 314-001-22 *      | Wastewater and residues from plating tanks and sludge from wastewater treatment in copper plating by metalization with cupric sulfate as the reductant | T                    |
|                       | Waste from manufacturing electronic components_           | 406-003-22        | Waste copper etching liquid from etching copper with such agents                                                                                       | T                    |
|                       |                                                           | 406-004-22 *      | Waste liquid and sludge from wastewater treatment while oxidizing copper with acids                                                                    | T                    |
| HW23<br>Zinc wastes   | Waste from metal surface treatment and heat treatment     | 346-102-23        | Solid wastes from the treatment of emissions in the hot zinc plating process                                                                           | T                    |
|                       |                                                           | 346-103-23        | Waste fluxing agent, fusing agent, welding agent in the hot zinc plating process                                                                       | T                    |



| Category of the waste    | Source of the Waste                                          | Code of the waste | Hazardous waste                                                                                                                                                                       | Hazardous properties |
|--------------------------|--------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                          | Waste from producing batteries                               | 394-001-23        | Waste zinc slurry from the production of alkaline manganese/zinc battery                                                                                                              | T                    |
|                          | Waste not from specific sources                              | 900-021-23 *      | Waste liquid and sludge from wastewater treatment while precipitating precious metals with sodium hydroxide and zinc powder                                                           | T                    |
| HW24<br>Arsenic wastes   | Waste from mining and metallurgy of common nonferrous metal  | 091-002-24        | Dust collected by dust collector/removal installations in mining and metallurgy of sulfoarsenide (orpiment, realgar and epigenite) or other metal ores that contain arsenic compounds | T                    |
| HW25<br>Selenium wastes  | Waste from the manufacturing of basic chemical raw materials | 261-045-25        | Slag from the production of selenium compounds and dust collected by dust collector/removal installations, sludge from wastewater treatment                                           | T                    |
| HW26<br>Cadmium wastes   | Waste from producing batteries                               | 394-002-26        | Residues and sludge from wastewater treatment in the production of nickel-cadmium batteries                                                                                           | T                    |
| HW27<br>Antimony wastes  | Waste from the manufacturing of basic chemical raw materials | 261-046-27        | Dust collected by dust separator in the production of antimony oxide                                                                                                                  | T                    |
|                          |                                                              | 261-047-27        | Dust collected by dust separator in the production of antimony metal and rough antimony oxide                                                                                         | T                    |
|                          |                                                              | 261-048-27        | Slag from the production of antimony oxide                                                                                                                                            | T                    |
|                          |                                                              | 261-049-27        | Slag from the production of antimony metal and rough antimony oxide                                                                                                                   | T                    |
| HW28<br>Tellurium wastes | Waste from the manufacturing of basic chemical raw materials | 261-050-28        | Slag from the production of tellurium compounds, dust collected by the dust collector/removal equipment and the sludge from wastewater                                                | T                    |

| Category of the waste  | Source of the Waste                                          | Code of the waste | Hazardous waste                                                                                                                                                                                            | Hazardous properties |
|------------------------|--------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                        |                                                              |                   | treatment                                                                                                                                                                                                  |                      |
| HW29<br>Mercury wastes | Waste from exploitation of natural crude oil and natural gas | 071-003-29        | Mercury wastes in the purification of natural gas                                                                                                                                                          | T                    |
|                        | Waste from mining and smelting precious metals               | 092-001-29        | Mercury dust and residues from the gold mining process by extracting gold with all-sliming cyanided carbon slurry                                                                                          | T                    |
|                        |                                                              | 092-002-29        | Residues from the mining and smelting of mercury minerals and dust collected by dust collector/removal installations                                                                                       | T                    |
|                        | Waste from printing                                          | 231-007-29        | Waste liquid and residues from using developer and mercury compounds to intensify the image (physical sediment) and from using developer and ammoniac mercuric chloride to intensify the image (oxidation) | T                    |
|                        | Waste from the manufacturing of basic chemical raw materials | 261-051-29        | Sludge from purifying saline solution while refining the saline in the process to produce Cl <sub>2</sub> by mercury cell electrolysis process                                                             | T                    |
|                        |                                                              | 261-052-29        | Sludge from wastewater treatment in the process to produce Cl <sub>2</sub> by mercury cell electrolysis process                                                                                            | T                    |
|                        |                                                              | 261-053-29        | Waste activated carbon in the production of Cl <sub>2</sub>                                                                                                                                                | T                    |
|                        | Waste from manufacturing synthetic materials                 | 265-001-29        | Waste activated carbon from treating wastewater containing mercury by absorbing it with activated carbon in the process to refine chloroethylene                                                           | T, C                 |
|                        |                                                              | 265-002-29        | Waste activated carbon from absorbing a trace of mercuric chloride in the process to refine chloroethylene                                                                                                 | T, C                 |

| Category of the waste   | Source of the Waste                                          | Code of the waste | Hazardous waste                                                                                                                                           | Hazardous properties |
|-------------------------|--------------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                         | Waste from producing batteries                               | 394-003-29        | Residues and sludge from wastewater treatment in the production of batteries containing mercury                                                           | T                    |
|                         | Waste from manufacturing lighting apparatus                  | 397-001-29        | Fluorescent powder and waste activated carbon absorbents from the production of light sources that contain mercury                                        | T                    |
|                         | Waste from manufacturing general instruments and meters      | 411-001-29        | Residues from producing thermometers that contain mercury                                                                                                 | T                    |
|                         | Waste from the manufacturing of basic chemical raw materials | 261-054-29        | Barium sulphate sludge that contains mercury from the production of halogen and halogen chemicals                                                         | T                    |
| HW29<br>Mercury wastes  | Waste from multiple sources                                  | 900-022-29        | Waste catalysts containing mercury                                                                                                                        | T                    |
|                         |                                                              | 900-023-29        | Waste fluorescent light tubes that contain mercury from the production, marketing, and use of them                                                        | T                    |
|                         |                                                              | 900-024-29        | Waste mercury thermometer and mercury blood pressure meters from the production, marketing and use of them                                                | T                    |
| HW30<br>Thallium wastes | Waste from the manufacturing of basic chemical raw materials | 261-055-30        | Slag from the production of thallium and thallium compounds, dust collected by the dust collector/removal equipment, and sludge from wastewater treatment | T                    |
| HW31<br>Lead wastes     | Waste from manufacturing glass and glass products            | 314-002-31        | Residues from using lead salts and lead oxides to melt glass used for picture tubes                                                                       | T                    |
|                         | Waste from printing                                          | 231-008-31        | Waste liquid from plating lead-tin alloy in the process to manufacture print circuit board                                                                | T                    |

| Category of the waste             | Source of the Waste                                                    | Code of the waste | Hazardous waste                                                                                                                       | Hazardous properties |
|-----------------------------------|------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                                   | Waste from steel making                                                | 322-001-31        | Fly ash and sludge from exhaust control facilities in the rough steeling making process by electric furnaces                          | T                    |
|                                   | Waste from manufacturing of batteries                                  | 394-004-31        | Residues and sludge from wastewater treatment in the process to produce lead acid batteries                                           | T                    |
|                                   | Waste from manufacturing arts and crafts                               | 421-001-31        | Waste crucible pots from cupellation with lead foil                                                                                   | T                    |
|                                   | Waste from recycling and processing waste resources and used materials | 431-001-31        | Residues and lead acid sludge from recycling lead acid batteries                                                                      | T                    |
|                                   | Waste not from specific sources                                        | 900-025-31        | Waste from coatings by lead stearate for the purpose of anti-block                                                                    | T                    |
| HW32<br>Inorganic fluoride wastes | Waste not from specific sources                                        | 900-026-32<br>*   | Waste etching liquid, residues and sludge from wastewater treatment while etching the glass with hydrofluoric acid                    | T                    |
| HW33<br>Inorganic cyanide wastes  | Waste from mining and metallurgy of precious metals                    | 092-003-33<br>*   | Sludge from treatment of cyanide wastewater in metallurgy of gold minerals by extracting gold with all-sliming cyanided carbon slurry | T                    |
|                                   | Waste from surface treatment and heat treatment                        | 346-104-33        | Waste liquid from soak cleaning with cyanide                                                                                          | R, T                 |
|                                   | Waste not from specific sources                                        | 900-027-33        | Waste from using cyanide to harden the surface and remove oils with alkaline and electrolysis                                         | R, T                 |
|                                   |                                                                        | 900-028-33        | Waste from using cyanide to strip off metal plating                                                                                   | R, T                 |
|                                   |                                                                        | 900-029-33        | Waste from chemical polishing with cyanide and hydrogen peroxide                                                                      | R, T                 |

| Category of the waste | Source of the Waste                                          | Code of the waste | Hazardous waste                                                                                                                                                                                                                   | Hazardous properties |
|-----------------------|--------------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| HW34<br>Waste acids   | Waste from manufacturing of refined oil products             | 251-014-34        | Waste acid and acid slurry from oil refining process                                                                                                                                                                              | C, T                 |
|                       | Waste from the manufacturing of basic chemical raw materials | 261-056-34        | Waste acid and acid slurry from producing TiO <sub>2</sub> with sulfuric acid                                                                                                                                                     | C, T                 |
|                       |                                                              | 261-057-34        | Waste acid liquid, solid acid and acid residues from the production and preparation of sulfuric acid and sulfurous acid, hydrochloric acid, hydrofluoric acid, phosphoric acid and phosphorous acid, nitric acid and nitrous acid | C                    |
|                       |                                                              | 261-058-34        | Waste liquid and acid from producing halogen and halogen chemicals                                                                                                                                                                | C                    |
|                       | Waste from steel press forging                               | 323-001-34        | Waste acid washing liquid from refining steels                                                                                                                                                                                    | C, T                 |
|                       | Waste from metal surface treatment and heat treatment        | 346-105-34        | Waste acid liquid from acid soaking process in copper production                                                                                                                                                                  | C                    |
|                       | Waste from manufacturing electronic components               | 406-005-34        | Waste acid liquid from using acid solution to remove oils by electrolysis, acid etching, pre-activation surface catalyzing and tin dipping.                                                                                       | C                    |
|                       |                                                              | 406-006-34        | Waste acid liquid from treating drill hole corrosion adhesive by nitric acid                                                                                                                                                      | C                    |
|                       |                                                              | 406-007-34        | Waste acid liquid from etching oxides with acid etching agents in the production of liquid crystal screens or integrated circuit plates                                                                                           | C                    |
|                       | Waste not from specific sources                              | 900-300-34        | Waste acid liquid from using acid for cleansing                                                                                                                                                                                   | C                    |

| Category of the waste | Source of the Waste                                          | Code of the waste | Hazardous waste                                                                                                                                                                                                                    | Hazardous properties |
|-----------------------|--------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                       |                                                              | 900-301-34        | Waste acid liquid from using sulfuric acid for acid carbonization                                                                                                                                                                  | C                    |
|                       |                                                              | 900-302-34        | Waste acid liquid from using sulfuric acid for acid etching                                                                                                                                                                        | C                    |
|                       |                                                              | 900-303-34        | Waste acid liquid from using phosphoric acid for phosphating                                                                                                                                                                       | C                    |
|                       |                                                              | 900-304-34        | Waste acid liquid from using acid to remove oils with electrolysis and sensitizing metal surfaces                                                                                                                                  | C                    |
|                       |                                                              | 900-305-34        | Waste acid liquid from using nitric acid to strip off unqualified plating and frame metal plating                                                                                                                                  | C                    |
|                       |                                                              | 900-306-34        | Waste acid liquid from using nitric acid for deactivation                                                                                                                                                                          | C                    |
|                       |                                                              | 900-307-34        | Waste acid liquid from using acids for electrolysis polishing                                                                                                                                                                      | C                    |
|                       |                                                              | 900-308-34        | Waste acid liquid from using acid for catalyzing (chemical plating)                                                                                                                                                                | C                    |
|                       |                                                              | 900-349-34 *      | Ineffective, deteriorated, unqualified, eliminated, and fake strong acid scouring powder, detergent, and decontaminant in the production, marketing, and use processes, and other waste acid liquid, solid acids and acid residues | C                    |
| HW35<br>Waste alkali  | Waste from manufacturing refined oil products                | 251-015-35        | Alkali residues from oil refining process                                                                                                                                                                                          | C, T                 |
|                       | Waste from the manufacturing of basic chemical raw materials | 261-059-35        | Waste alkali solution, solid alkali and alkali residues from the production and preparation of calcium hydroxide, ammonia water, sodium hydroxide, and potassium hydroxide                                                         | C                    |

| Category of the waste   | Source of the Waste                                                                                                                                                                                                                       | Code of the waste | Hazardous waste                                                                                     | Hazardous properties |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------|----------------------|
|                         | fur dressing and processing                                                                                                                                                                                                               | 193-003-35        | Waste alkali liquid from lime processes with calcium hydroxide and calcium sulfide                  | C                    |
|                         | Waste from paper pulp making                                                                                                                                                                                                              | 221-002-35        | Waste liquid and residues from paper pulp cooking process in alkali pulping process                 | C                    |
|                         | Waste not from specific sources                                                                                                                                                                                                           | 900-350-35        | Waste alkali solution from cooking and melting processes with sodium hydroxide                      | C                    |
|                         |                                                                                                                                                                                                                                           | 900-351-35        | Waste alkali solution from using sodium hydroxide for the mercerizing process                       | C                    |
|                         |                                                                                                                                                                                                                                           | 900-352-35        | Waste alkali solution from cleansing with alkali                                                    | C                    |
|                         |                                                                                                                                                                                                                                           | 900-353-35        | Waste alkali solution from using alkali to remove wax, oils and to remove oils through electrolysis | C                    |
|                         |                                                                                                                                                                                                                                           | 900-354-35        | Waste alkali solution from stripping plating barriers or etching resist with alkali                 | C                    |
|                         |                                                                                                                                                                                                                                           | 900-355-35        | Waste alkali solution by dipping oxide film with alkali                                             | C                    |
|                         |                                                                                                                                                                                                                                           | 900-356-35        | Waste alkali solution from cleansing and developing pictures with alkali solutions                  | C                    |
| 900-399-35 *            | Ineffective, deteriorated, unqualified, eliminated, and fake strong alkali scouring powder, detergents, decontaminant from the production, marketing, and use of them, and other waste alkali solution, solid alkali, and alkali residues | C                 |                                                                                                     |                      |
| HW36<br>Asbestos wastes | Waste from mining and smelting asbestos                                                                                                                                                                                                   | 109-001-36        | Asbestos residues from mining and smelting asbestos                                                 | T                    |

| <b>Category of the waste</b>      | <b>Source of the Waste</b>                                   | <b>Code of the waste</b> | <b>Hazardous waste</b>                                                                                                                                                                          | <b>Hazardous properties</b> |
|-----------------------------------|--------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
|                                   | Waste from the manufacturing of basic chemical raw materials | 261-060-36               | Wastes containing asbestos from dismantling electrolysis equipment in the process to produce halogen and halogen chemicals                                                                      | T                           |
|                                   | Waste from manufacturing cement and gypsum products          | 312-001-36               | Asbestos dust, waste fibers and waste asbestos wools in the process to produce asbestos building materials                                                                                      | T                           |
|                                   | Waste from manufacturing fire-proof materials                | 316-001-36               | Asbestos dust, waste fibers and waste asbestos wools in the process to produce asbestos products                                                                                                | T                           |
|                                   | Waste from automobile making                                 | 372-001-36               | Asbestos wastes from producing liners of the vehicle brakes                                                                                                                                     | T                           |
|                                   | Waste from manufacturing ships and floating installations    | 375-002-36               | Waste asbestos from ship dismantling                                                                                                                                                            | T                           |
| HW36<br>Asbestos wastes           | Waste not from specific sources                              | 900-030-36               | Asbestos wastes from other production processes                                                                                                                                                 | T                           |
|                                   |                                                              | 900-031-36               | Used electronic and electric equipment, insulation materials and building materials that contain asbestos                                                                                       | T                           |
|                                   |                                                              | 900-032-36               | Asbestos wastes from maintaining and replacing facilities that contain asbestos such as asbestos diaphragm and heat insulators, asbestos wastes from replacing the inners of the vehicle brakes | T                           |
| HW37<br>Organic phosphorus wastes | Waste from the manufacturing of basic chemical raw materials | 261-061-37               | Reaction residues from the production and preparation of organic phosphorous compounds other than pesticides                                                                                    | T                           |



| Category of the waste          | Source of the Waste                                          | Code of the waste | Hazardous waste                                                                                                                                                      | Hazardous properties |
|--------------------------------|--------------------------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                                |                                                              | 261-062-37        | Filtered substances, catalysts (including carriers), and waste absorbents from the production and preparation of organic phosphorous compounds other than pesticides | T                    |
|                                |                                                              | 261-063-37 *      | Sludge from wastewater treatment from the production and preparation of organic phosphorous compounds other than pesticides                                          | T                    |
|                                | Waste not from specific sources                              | 900-033-37        | Waste phosphate ester fire-proof fluids from the production, marketing and use processes                                                                             | T                    |
| HW38<br>Organic cyanide wastes | Waste from the manufacturing of basic chemical raw materials | 261-064-38        | Effluents from the bottom of the wastewater stripper tower in the production of acrylonitrile                                                                        | R, T                 |
|                                |                                                              | 261-065-38        | Effluents from the bottom of the acetonitrile distillation tower in the production of acrylonitrile                                                                  | R, T                 |
|                                |                                                              | 261-066-38        | Residues from acetonitrile treating tower in the production of acrylonitrile                                                                                         | T                    |
|                                |                                                              | 261-067-38        | Mother liquor and reaction residues from the synthesis reaction and condensation reaction in the production of organic cyanide                                       | T                    |
|                                |                                                              | 261-068-38        | Waste catalysts, residues in the bottom of the kettle, and filtering media from the catalyzing, distillation, and filtering processes in producing organic cyanide   | T                    |
|                                |                                                              | 261-069-38        | Sludge from wastewater treatment in the production of organic cyanide                                                                                                | T                    |
| HW39<br>Phenols wastes         | Waste from coking                                            | 252-012-39        | Sludge from wastewater treatment in the production of                                                                                                                | T                    |

treatment in the production of

| Category of the waste                     | Source of the Waste                                          | Code of the waste | Hazardous waste                                                                                                                                                                                | Hazardous properties |
|-------------------------------------------|--------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                                           |                                                              |                   | phenol cyanogen in coking industry                                                                                                                                                             |                      |
|                                           |                                                              | 252-013-39        | Sludge from wastewater treatment in the production of coal gas                                                                                                                                 | T                    |
|                                           | Waste from the manufacturing of basic chemical raw materials | 261-070-39        | Reaction residues and mother liquor from the production of phenols and phenol compounds                                                                                                        | T                    |
|                                           |                                                              | 261-071-39        | Absorbed and filtered substances, waste catalysts, residue liquids from the distillation kettle in the production of phenols and phenol compounds                                              | T                    |
| HW40<br>Ethers wastes                     | Waste from the manufacturing of basic chemical raw materials | 261-072-40        | Ethers waste liquids, reaction residues, sludge from wastewater treatment and filtered residues in the production and preparation processes                                                    | T                    |
| HW41<br>Waste halogenated organic solvent | Waste from printing                                          | 231-009-41        | Waste halogenated organic solvents from using organic solvents for offset printing and from cleansing printing tools                                                                           | I, T                 |
|                                           | Waste from the manufacturing of basic chemical raw materials | 261-073-41        | Waste liquids separated from the reactors in the product washing process for the production of chlorobenzene                                                                                   | T                    |
|                                           |                                                              | 261-074-41        | Residue liquids, absorbed and filtered substances, reaction residues, sludge from wastewater treatment, and waste carriers from the production and preparation of halogenated organic solvents | T                    |
|                                           |                                                              | 261-075-41        | Rejects in the production and preparation of halogenated organic solvent                                                                                                                       | T                    |
|                                           | Waste from manufacturing of electronic components            | 406-008-41        | Waste halogenated organic solvent polyimides to coat liquid crystal display and to fill                                                                                                        | I, T                 |

| Category of the waste          | Source of the Waste                                          | Code of the waste | Hazardous waste                                                                                                                                                                                                                                      | Hazardous properties |
|--------------------------------|--------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                                |                                                              |                   | up liquid crystals                                                                                                                                                                                                                                   |                      |
|                                | Waste not from specific sources                              | 900-400-41        | Waste halogenated organic solvent from the application of organic solvent adhesives in the fabric process during the production of plastic plates, pipes and sticks                                                                                  | I, T                 |
|                                |                                                              | 900-401-41        | Waste halogenated organic solvent from using organic solvent for dry washing, cleansing, paint removal, oil removal and cloth coatings with gloss paint                                                                                              | I, T                 |
|                                |                                                              | 900-402-41        | Waste halogenated organic solvent from using organic solvent to remove sealing wax                                                                                                                                                                   | I, T                 |
|                                |                                                              | 900-403-41        | Waste halogenated organic solvents from using organic solvents to develop the pictures, strip off plating barrier or etching resist, coat the solder mask, apply soldering flux (colophony), remove oils by steam and coat light sensitive materials | I, T                 |
|                                |                                                              | 900-449-41        | Waste halogenated organic solvent, water washed liquid, mother liquor, and sludge from the production, marketing, and use processes                                                                                                                  | T                    |
|                                |                                                              |                   |                                                                                                                                                                                                                                                      |                      |
| HW42<br>Waste organic solvents | Waste from printing                                          | 231-010-42        | Waste organic solvent from using organic solvent for offset printing and for cleansing printing tools                                                                                                                                                | I, T                 |
|                                | Waste from the manufacturing of basic chemical raw materials | 261-076-42        | Residue liquids, absorbed and filtered substances, reaction residues, water treatment sludge and waste carriers                                                                                                                                      | T                    |
|                                |                                                              | 261-077-42        | Rejects from the production and preparation of organic solvents                                                                                                                                                                                      | T                    |

| Category of the waste                                          | Source of the Waste                                        | Code of the waste | Hazardous waste                                                                                                                                                                                                                          | Hazardous properties |
|----------------------------------------------------------------|------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                                                                | Waste from manufacturing electronic components             | 406-009-42        | Waste organic solvents from using organic solvent polyimides to coat liquid crystal display and to fill up liquid crystals                                                                                                               | I, T                 |
|                                                                | Waste from leather processing                              | 191-001-42        | Oil removal wastes that contain organic solvents in leather industry                                                                                                                                                                     | T                    |
|                                                                | Waste from wool textile and dyeing and finishing processes | 172-001-42        | Waste that contain organic solvents in the dyeing and finishing processes in textile industry                                                                                                                                            | T                    |
| HW42<br>Waste organic solvents                                 | Waste not from specific sources                            | 900-450-42        | Waste organic solvents from applying organic solvent adhesives in the fabric process during the production of plastic plates, pipes and sticks                                                                                           | I, T                 |
|                                                                |                                                            | 900-451-42        | Waste organic solvents from using organic solvents for decarburization, dry cleaning, cleansing, paint removal, oil removal with solvents and cloth coatings                                                                             | I, T                 |
|                                                                |                                                            | 900-452-42        | Waste organic solvents from using organic solvents to develop the pictures, strip off plating barrier or etching resist, coat the solder mask, apply soldering flux (colophony), remove oils by steam and coat light sensitive materials | I, T                 |
|                                                                |                                                            | 900-499-42        | Waste organic solvent, water washed liquid, mother liquor, and sludge from wastewater treatment in other production, marketing, and use processes                                                                                        | T                    |
| HW43<br>Any congener compound of polychlorinated dibenzo-furan | Waste not from specific sources                            | 900-034-43<br>*   | Waste containing any homolog of any congener compound of polychlorinated dibenzo-furan                                                                                                                                                   | T                    |

| Category of the waste                                             | Source of the Waste                                          | Code of the waste | Hazardous waste                                                                                                                                                                             | Hazardous properties |
|-------------------------------------------------------------------|--------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| HW44<br>Any congener compound of polychlorinated dibenzo-p-dioxin | Waste not from specific sources                              | 900-035-44<br>*   | Waste containing any homolog of any congener compound of polychlorinated dibenzo-p-dioxin                                                                                                   | T                    |
| HW45<br>Organohalogen compound wastes                             | Waste from the manufacturing of basic chemical raw materials | 261-078-45        | Waste detergent liquid from the exhaust washer of the reactors in the process to produce acetylene dibromide by bromizing ethylene                                                          | T                    |
|                                                                   |                                                              | 261-079-45        | Waste absorbents from the product refining process in the production of acetylene dibromide by bromizing ethylene                                                                           | T                    |
|                                                                   |                                                              | 261-080-45        | Waste organic solvents and absorbents from recycling Cl <sub>2</sub> and hydrochloric acid with $\alpha$ -Chlorotoluene, benzoyl chloride and chemicals that contain such functional groups | T                    |
|                                                                   |                                                              | 261-081-45        | Sludge from wastewater treatment in the production of $\alpha$ -Chlorotoluene, benzoyl chloride and chemicals that contain such functional groups                                           | T                    |
|                                                                   |                                                              | 261-082-45        | Heavy cut in the distillation tower in the process to produce chloroethane                                                                                                                  | T                    |
|                                                                   |                                                              | 261-083-45        | Sludge from wastewater treatment in the process to produce vinyl chloride monomer with calcium carbide-acetylene                                                                            | T                    |
|                                                                   |                                                              | 261-084-45        | High-concentration residue liquids, absorbed and filtered substances, reaction residues, sludge from wastewater                                                                             | T                    |

treatment, and waste catalysts (excluding wastes in HW39, HW41, HW42) in the production and preparation of

| Category of the waste                 | Source of the Waste                                          | Code of the waste | Hazardous waste                                                                                                                                                                   | Hazardous properties |
|---------------------------------------|--------------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                                       |                                                              |                   | other organohalogen compound wastes                                                                                                                                               |                      |
|                                       |                                                              | 261-085-45        | Rejects in the production and preparation of other organohalogen compound wastes (excluding wastes in HW39, HW41, HW42)                                                           | T                    |
| HW45<br>Organohalogen compound wastes | Waste from the manufacturing of basic chemical raw materials | 261-086-45        | Sludge from the production of Cl <sub>2</sub> and sodium hydroxide by diaphragm with black lead as the anode                                                                      | T                    |
|                                       | Waste not from specific sources                              | 900-036-45        | Organohalogen compound wastes from other production, marketing, and use processes (excluding wastes in HW41)                                                                      | T                    |
| HW46<br>Nickel compound wastes        | Waste from the manufacturing of basic chemical raw materials | 261-087-46        | Reaction residues and wastes from the production of nickel compounds                                                                                                              | T                    |
|                                       | Waste from manufacturing batteries                           | 394-005-46 *      | Residues and sludge from wastewater treatment in the production of nickel-cadmium batteries and nickel-hydrogen batteries                                                         | T                    |
|                                       | Waste not from specific sources                              | 900-037-46        | Waste nickel catalysts                                                                                                                                                            | T                    |
| HW47<br>Barium compound wastes        | Waste from the manufacturing of basic chemical raw materials | 261-088-47        | Slag from the production of barium compounds (excluding Barium sulphate), dust from the dust collector/removal equipment, reaction residues, and sludge from wastewater treatment | T                    |
|                                       | Waste from metal surface treatment and heat treatment        | 346-106-47        | Salt bath residues in heat treatment process                                                                                                                                      | T                    |

| Category of the waste                        | Source of the Waste                                       | Code of the waste | Hazardous waste                                                                                                                                                                                                                                                                                              | Hazardous properties |
|----------------------------------------------|-----------------------------------------------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| HW48<br>Non-ferrous metal<br>smelting wastes | Waste from<br>smelting<br>common<br>non-ferrous<br>metals | 331-002-48<br>*   | Fly ash and sludge from the exhaust control facilities in copper pyrometallurgy process                                                                                                                                                                                                                      | T                    |
|                                              |                                                           | 331-003-48<br>*   | Sludge from wastewater treatment in the process to refine rough zinc                                                                                                                                                                                                                                         | T                    |
|                                              |                                                           | 331-004-48        | Leaching residues from roasting zinc ore by conventional leaching method in lead-zinc smelting process                                                                                                                                                                                                       | T                    |
|                                              |                                                           | 331-005-48        | Ferric vitriol residue from using hot acid to leach jarosite out of roasted zinc ores in lead-zinc smelting process                                                                                                                                                                                          | T                    |
|                                              |                                                           | 331-006-48        | Sulphur residues from using hot acid to leach goethite out of roasted zinc ores in lead-zinc smelting process                                                                                                                                                                                                | T                    |
|                                              |                                                           | 331-007-48        | Goethite residues from using hot acid to leach goethite out of roasted zinc ores in lead-zinc smelting process                                                                                                                                                                                               | T                    |
|                                              |                                                           | 331-008-48        | Residues from purifying zinc leaching solution in lead-zinc smelting process, including residues from the removal of copper, antimony, cadmium, cobalt and nickel by way of zinc powder-yellow catching agent, arsenic salt, reverse adding antimony salt, and lead-antimony alloy and zinc powder processes | T                    |
|                                              |                                                           | 331-009-48        | Zinc casting dross in the cathode in lead-zinc smelting process                                                                                                                                                                                                                                              | T                    |
|                                              |                                                           | 331-010-48        | Zinc oxide leaching residues from leaching zinc oxide in lead-zinc smelting process                                                                                                                                                                                                                          | T                    |
| HW48<br>Non-ferrous metal<br>smelting wastes | Waste from<br>smelting<br>common                          | 331-011-48        | Blast furnace dross from zinc <del>steam cooling and separating</del> system while smelting zinc                                                                                                                                                                                                             | T                    |

| Category of the waste | Source of the Waste | Code of the waste | Hazardous waste                                                                                                                                                                                                                                   | Hazardous properties |
|-----------------------|---------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                       | non-ferrous metals  |                   | with blast furnace in lead-zinc smelting process                                                                                                                                                                                                  |                      |
|                       |                     | 331-012-48        | Zinc residues from zinc distillation furnace in lead-zinc smelting process                                                                                                                                                                        | T                    |
|                       |                     | 331-013-48        | Residues from the integrated recycling of valuable metals such as gold, silver, bismuth, cadmium, cobalt, indium, germanium, thallium, and tellurium by lead smelting, zinc hydrometallurgy and zinc pyrometallurgy in lead-zinc smelting process | T                    |
|                       |                     | 331-014-48 *      | Dust collected by dry dust removers in lead-zinc smelting process                                                                                                                                                                                 | T                    |
|                       |                     | 331-015-48        | Waste calomel from producing acid from flue gas in copper-zinc smelting process                                                                                                                                                                   | T                    |
|                       |                     | 331-016-48        | Dross and bottom sediment in the process to smelt rough lead                                                                                                                                                                                      | T                    |
|                       |                     | 331-017-48        | Yellow residues from lead-smelting blast furnaces in lead-zinc smelting process                                                                                                                                                                   | T                    |
|                       |                     | 331-018-48        | Residues from refining rough lead by pyrometallurgy in lead-zinc smelting process                                                                                                                                                                 | T                    |
|                       |                     | 331-019-48        | Anode slurry from lead electrolysis in lead-zinc smelting process                                                                                                                                                                                 | T                    |
|                       |                     | 331-020-48        | Lead oxide residues and alkali residues from lead refinery in the cathode in lead-zinc smelting process                                                                                                                                           | T                    |
|                       |                     | 331-021-48        | Lead-silver residues from using hot acid to leach jarosite or goethite out of roasted zinc ores in lead-zinc smelting process                                                                                                                     | T                    |
|                       |                     | 331-022-48        | Sludge from wastewater treatment in lead-zinc smelting                                                                                                                                                                                            | T                    |



| Category of the waste | Source of the Waste                 | Code of the waste | Hazardous waste                                                                                     | Hazardous properties |
|-----------------------|-------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------|----------------------|
|                       |                                     |                   | process                                                                                             |                      |
|                       |                                     | 331-023-48        | Waste electrolysis batteries from refining rough aluminum                                           | T                    |
|                       |                                     | 331-024-48        | Slag from initial smelting in aluminum pyrometallurgy process                                       | T                    |
|                       |                                     | 331-025-48        | Salt residues and dross from refining rough aluminum                                                | T                    |
|                       |                                     | 331-026-48        | Ignitable residues from aluminum pyrometallurgy process                                             | R                    |
|                       |                                     | 331-027-48<br>*   | Fly ash and sludge from wastewater treatment in the recycling of copper                             | T                    |
|                       |                                     | 331-028-48<br>*   | Fly ash and sludge from wastewater treatment in the recycling of zinc                               | T                    |
|                       |                                     | 331-029-48        | Fly ash and sludge from wastewater treatment in the recycling of lead                               | T                    |
|                       | Waste from smelting precious metals | 332-001-48        | Residues and sludge from wastewater treatment in mercury recycling industry                         | T                    |
| HW49<br>Other wastes  | Waste from environmental treatment  | 802-006-49        | Sludge and residues from wastewater treatment in the physico-chemical treatment of hazardous wastes | T                    |
|                       | Waste not from specific sources     | 900-038-49        | Waste liquid catalysts                                                                              | T                    |
|                       |                                     | 900-039-49        | Waste activated carbon in the production process of other inorganic chemical industries             | T                    |
|                       |                                     | 900-040-49<br>*   | Flue gas collected from the production process of other inorganic chemical industries               | T                    |
|                       |                                     | 900-041-49        | Waste packaging, containers, and cleansing sundries that contain or taint with hazardous wastes     | T/C/In/I/R           |

| Category of the waste | Source of the Waste | Code of the waste | Hazardous waste                                                                                                                                                                                                                                                                                                                                | Hazardous properties |
|-----------------------|---------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                       |                     | 900-042-49        | Waste hazardous chemicals and clean-up wastes from emergent pollution accidents                                                                                                                                                                                                                                                                | T/C/In/I/R           |
|                       |                     | 900-043-49<br>*   | Soils contaminated by hazardous wastes due to emergent pollution accidents                                                                                                                                                                                                                                                                     | T/C/In/I/R           |
|                       |                     | 900-044-49        | Waste electronic and electric appliances and equipment in the production, living activities and other activities; lead-acid batteries, cadmium-nickel batteries, mercury oxide batteries, mercury switch, cathode ray tubes and PCB capacitors that are collected after being dismantled, crashed and smashed                                  | T                    |
|                       |                     | 900-045-49        | Waste printing circuit board                                                                                                                                                                                                                                                                                                                   | T                    |
|                       |                     | 900-046-49        | Waste liquid and sludge from the recycling process of the ion exchange installations                                                                                                                                                                                                                                                           | T                    |
|                       |                     | 900-047-49        | Waste from chemical and biological laboratories in the research, development and teaching activities<br>(excluding HW03, 900-999-49)                                                                                                                                                                                                           | T/C/In/I/R           |
|                       |                     | 900-999-49        | Hazardous chemicals that are discarded or abandoned by owners before any use; eliminated, faked, expired, and ineffective hazardous chemicals; and hazardous chemicals that are captured by departments concerned or handed in by the public (refer to Appendix A for the waste hazardous chemicals in need of management at the top priority) | T                    |

\*Note: Hazardous chemicals that are from complicated sources, possible to have hazardous properties other than specified in this catalogue, and for which the State has clear standards for

identification, shall be noted \* for the purpose of this catalogue. If the source of such hazardous wastes has sufficient evidence to prove that its wastes are not hazardous, then the said wastes may not be managed as hazardous wastes.