

# European Waste Catalogue and Hazardous Waste List

Valid from 1 January 2002



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Valid from 1 January 2002

#### Environmental Protection Agency An Gníomhaireacht um Chaomhnú Comhshaoil

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The Environmental Protection Agency personnel involved in the preparation of this document were Brian Meaney and Shirley Murphy.

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## **PREFACE**

In 1994, the first European Waste Catalogue<sup>1</sup> and hazardous waste list<sup>2</sup> were published as two separate documents. The lists were used by the Environmental Protection Agency for the compilation of waste data from 1995 and were adopted into Irish legislation by the Waste Management Act, 1996. In 1996, the Environmental Protection Agency published a single list which incorporated both the European Waste Catalogue and the hazardous waste list<sup>3</sup>.

The European Waste Catalogue and hazardous waste list are used for the classification of all wastes and hazardous wastes and are designed to form a consistent waste classification system across the EU. They form the basis for all national and international waste reporting obligations, such as those associated with waste licences and permits, the National Waste Database and the transport of waste.

In 2000, a replacement waste list and hazardous waste list<sup>4</sup> was introduced, which comes in to force on 1 January 2002. This new combined list has since been amended three times<sup>5, 6, 7</sup>. Hence, four documents are required in order to have the complete list. The documents are not always easy to obtain and following the sequence of the amendments can be difficult.

This document represents a consolidated version of all four documents. This consolidated document is designed to ease the task of understanding the legislation associated with the classification of waste and hazardous waste. It may be used in classifying all wastes and hazardous wastes. Much of the introductory text is reproduced in full from the legislation, with the addition in places of explanatory notes. The source of reproduced text is clearly indicated in each case. Future amendments to the legislation will be incorporated into future editions of this document.

This document does not purport to be and should not be considered a legal interpretation of the EU and Irish legislation on which it is based. Any queries of this nature should in the first instance be addressed to the parent legislation.

Comments on this document are welcome. The User Comment Form provided at the end of the document may be used.

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<sup>&</sup>lt;sup>1</sup> Commission Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EC on waste.

<sup>&</sup>lt;sup>2</sup> Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste.

<sup>&</sup>lt;sup>3</sup> Waste Catalogue and Hazardous Waste List, EPA, 1996.

<sup>&</sup>lt;sup>4</sup> Commission Decision 2000/532/EC of 3 May 2000 replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste.

<sup>&</sup>lt;sup>5</sup> Commission Decision 2001/118/EC amending Decision 2000/532/EC as regards the list of wastes.

<sup>&</sup>lt;sup>6</sup> Commission Decision 2001/119/EC amending Decision 2000/532/EC ....

Ouncil Decision 2001/573/EC amending Commission Decision 2000/532/EC as regards the list of wastes.

# **ACKNOWLEDGEMENTS**

The Environmental Protection Agency is grateful to the Office for Official Publications of the European Communities, Directorate A - Author Services, Licences & Copyright Section, for permission to reproduce text from the Official Journal of the European Communities.

## BACKGROUND INFORMATION

### The European Waste Catalogue and hazardous waste list

The European Waste Catalogue and hazardous waste list presented in this document is based on the following EU legislation:

Commission Decision 2000/532/EC (OJ L 226, 6.9.2000, p. 3)

As amended by:

Commission Decision 2001/118/EC (OJ L 47, 16.2.2001, p. 1)

Commission Decision 2001/119/EC (OJ L 47, 16.2.2001, p. 32)

Council Decision 2001/573/EC (*OJ L 203*, 28.7.2001, p. 18)

This document will be updated as further amendments are made to the list.

#### Date of introduction of the new list

The European Waste Catalogue and hazardous waste list presented in this document come into force on 1 January 2002.

All waste reporting for the year 2002 and subsequent years should use the classifications in this document.

All waste reporting for the year 2001 and earlier should use 'Waste Catalogue and Hazardous Waste List', published in 1996<sup>8</sup>. The 1996 document will continue to be available from EPA Publications and on the EPA website (www.epa.ie) for a limited time.

#### **Definition of waste**

Waste Management Acts 1996 and 2001

Waste is defined in Section 4(1) of the Waste Management Acts 1996 and 2001 as "any substance or object belonging to a category of waste specified in the First Schedule [of the Waste Management Act] or for the time being included in the European Waste Catalogue which the holder discards or intends or is required to discard, and anything which is discarded or otherwise dealt with as if it were waste shall be presumed to be waste until the contrary is proved."

The full text of the definition, including the First Schedule, can be read in the Waste Management Acts 1996 and 2001 (available from Government Publications or on the website of the Attorney General at www.irlgov.ie).

<sup>&</sup>lt;sup>8</sup> Waste Catalogue and Hazardous Waste List, EPA, 1996.

#### **Definition of hazardous waste**

Waste Management Acts 1996 and 2001

Hazardous waste is defined in Section 4(2) of the Waste Management Acts 1996 and 2001. The hazardous waste list forms an integral part of the definition. Figure 1 illustrates a summary of the definition and the decision sequence to be followed. Figure 1 shows that in order to be classified as hazardous waste, a waste must:

- appear on the hazardous waste list or be prescribed under section 4(2)(a)(ii) of the Waste Management Act; and also
- display one or more of the properties indicated in the Second Schedule to the Act.

The full text of the definition of hazardous waste can be read in the Waste Management Acts 1996 and 2001. It is also reproduced in full in the National Hazardous Waste Management Plan (available from EPA Publications, St. Martin's House, Waterloo Road, Dublin 4 - tel. 01 667 4474).

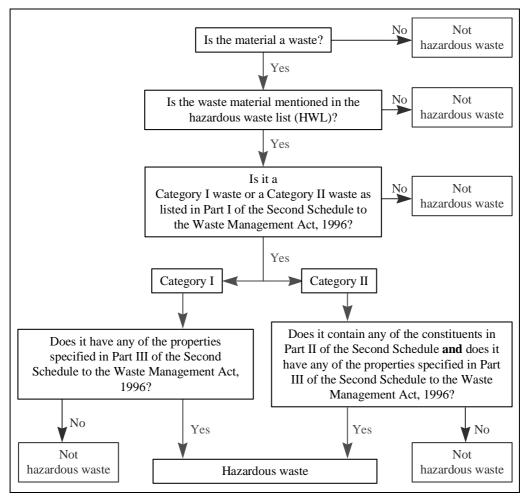


Figure 1 Hazardous waste flowchart

#### Extract from Commission Decision 2000/532/EC, as amended

#### Article 2

Wastes classified as hazardous are considered to display one or more of the properties listed in Annex III to Directive 91\689\EEC and, as regards H3 to H8, H10 <sup>9</sup> and H11 of the said Annex, one or more of the following characteristics:

- flash point ≤ (less than or equal to) 55 °C,
- one or more substances classified<sup>10</sup> as very toxic at a total concentration ≥0.1%
- one or more substances classified as toxic at a total concentration ≥3 %
- one or more substances classified as harmful at a total concentration  $\geq 25\%$
- one or more corrosive substances classified as R35 at a total concentration ≥ 1%
- one or more corrosive substances classified as R34 at a total concentration ≥ 5%
- one or more irritant substances classified as R41 at a total concentration ≥ 10%
- one or more irritant substances classified as R36, R37, R38 at a total concentration ≥ 20%
- one substance known to be carcinogenic of category 1 or 2 at a concentration  $\geq 0.1\%$
- one substance known to be carcinogenic of category 3 at a concentration  $\geq 1\%$
- one substance toxic for reproduction of category 1 or 2 classified as R60, R61 at a concentration ≥ 0.5%
- one substance toxic for reproduction of category 3 classified as R62, R63 at a concentration ≥ 5%
- one mutagenic substance or category 1 or 2 classified as R46 at a concentration  $\geq 0.1\%$
- one mutagenic substance of category 3 classified as R40 at a concentration ≥ 1%

Extract from Council Directive 91/689/EC on hazardous waste

Annex III

PROPERTIES OF WASTES WHICH RENDER THEM HAZARDOUS

<sup>&</sup>lt;sup>9</sup> In Directive 92\32\EEC amending for the seventh time Directive 67/548/EEC the term 'toxic for reproduction' was introduced. The term 'teratogenic' was replaced by a corresponding term 'toxic for reproduction'. This term is considered to be in line with property H10 in Annex III to Directive 91/689/EEC.

The classification as well as the R numbers refer to Directive 67/548/EEC on the approximation of the laws, regulations and administrative provision relating to the classification, packaging and labelling of dangerous substances (OJ L 196, 16.8.1967, p. 1.) and its subsequent amendments. The concentration limits refer to those laid down in Directive 88/379/EEC on the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparation (OJ L 187, 16.7.1988, p.14.) and its subsequent amendments.

- H1 'Explosive': substances and preparations which may explode under the effect of flame or which are more sensitive to shocks or friction than dinitrobenzene.
- H2 'Oxidizing': substances and preparations which exhibit highly exothermic reactions when in contact with other substances, particularly flammable substances.

#### H3-A 'Highly flammable'

- liquid substances and preparations having a flash point below 21°C (including extremely flammable liquids), or
- substances and preparations which may become hot and finally catch fire in contact with air at ambient temperature without any application of energy, or
- solid substances and preparations which may readily catch fire after brief contact with a source of ignition and which continue to burn or to be consumed after removal of the source of ignition, or
- gaseous substances and preparations which are flammable in air at normal pressure, or
- substances and preparations which, in contact with water or damp air, evolve highly flammable gases in dangerous quantities.
- H3-B 'Flammable': liquid substances and preparations having a flash point equal to or greater than 21°C and less than or equal to 55°C.
- H4 'Irritant': non-corrosive substances and preparations which, through immediate, prolonged or repeated contact with the skin or mucous membrane, can cause inflammation.
- H5 'Harmful': substances and preparations which, if they are inhaled or ingested or if they penetrate the skin, may involve limited health risks.
- H6 'Toxic': substances and preparations (including very toxic substances and preparations) which, if they are inhaled or ingested or if they penetrate the skin, may involve serious, acute or chronic health risks and even death.
- H7 'Carcinogenic': substances and preparations which, if they are inhaled or ingested or if they penetrate the skin, may induce cancer or increase its incidence.
- H8 'Corrosive': substances and preparations which may destroy living tissue on contacts.
- H9 'Infectious': substances containing viable micro-organisms or their toxins which are known or reliably believed to cause disease in man or other living organisms.
- H10 'Teratogenic'9: substances and preparations which, if they are inhaled or ingested or if they penetrate the skin, may induce non-hereditary congenital malformations or increase their incidence.
- H11 'Mutagenic': substances and preparations which, if they are inhaled or ingested or if they penetrate the skin, may induce hereditary genetic defects or increase their incidence.
- H12 Substances and preparations which release toxic or very toxic gases in contact with water, air or an acid.
- H13 Substances and preparations capable by any means, after disposal, of yielding another substance, e.g. a leachate, which possesses any of the characteristics listed above.
- H14 'Ecotoxic': substances and preparations which present or may present immediate or delayed risks for one or more sectors of the environment.

#### **Notes**

- 1. Attribution of the hazard properties 'toxic' (and 'very toxic'), 'harmful', 'corrosive' and 'irritant' is made on the basis of the criteria laid down by Annex VI, part I A and part II B, of Council Directive 67/548/EEC of 27 June 1967 of the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances<sup>11</sup>, (or by subsequent Commission Directives adapting Directive 67/548/EEC to technical progress See the Hazardous Waste Classification Tool for information on relevant amendments).
- 2. With regard to attribution of the properties 'carcinogenic', 'teratogenic' and 'mutagenic', and reflecting the most recent findings, additional criteria are contained in the Guide to the classification and labelling of dangerous substances and preparations of Annex VI (part II D) to Directive 67/548/EEC, in the version as amended by Commission Directive 83/467/EEC<sup>12</sup> (or by subsequent Commission Directives adapting Directive 67/548/EEC to technical progress See the Hazardous Waste Classification Tool for information on relevant amendments).

#### Test methods

The test methods serve to give specific meaning to the definitions given in Annex III.

The methods to be used are those described in Annex V to Directive 67/548/EEC, in the version as amended by Commission Directive 84/449/EEC<sup>13</sup>, or by subsequent Commission Directives adapting Directive 67/548/EEC to technical progress (*See the* Hazardous Waste Classification Tool *for information on relevant amendments*). These methods are themselves based on the work and recommendations of the competent international bodies, in particular the OECD.

Extract from Commission Decision 2000/532/EC, as amended

Article 3

Member States may decide, in exceptional cases, on the basis of documentary evidence provided in an appropriate way by the holder, that a specific waste indicated in the list as being hazardous does not display any of the properties listed in Annex III to Directive 91/689/EEC. Without prejudice to Article 1 (4), second indent, of Directive 91/689/EEC, Member States may decide, in exceptional cases, that a waste indicated in the list as being non-hazardous displays one or more of the properties listed in Annex III to Directive 91/689/EEC. All such decisions taken by Member States shall be communicated on a yearly basis to the Commission. The Commission shall collate these decisions and examine whether the Community list of wastes and hazardous wastes should be amended in the light of them.

### Hazardous waste classification tool

The Environmental Protection Agency funded a project under the Environmental RTDI Programme entitled *Procedure for Identification of the Hazardous Components of Waste*. The project was carried out

<sup>12</sup> OJ N L 257, 16. 9. 1983, p. 1.

<sup>13</sup> OJ N L 251, 19. 9. 1984, p. 1.

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<sup>&</sup>lt;sup>11</sup> OJ N L 196, 16. 8. 1967, p. 1.

by the Clean Technology Centre, Cork Institute of Technology, Cork. The output of the project is a detailed breakdown of the complex legislation which is used in classifying the hazardous properties of a waste. Where a holder of waste wishes to provide evidence of the presence or absence of hazardous properties of a waste, in accordance with *Article 3* above, the tool provides a mechanism to do this. The project report and the tool are to be published in 2002. An electronic version is available prior to publication.

## INSTRUCTIONS FOR USING THE LIST

Extract from Commission Decision 2000/532/EC, as amended

List of wastes pursuant to Article 1(a) of Directive 75/442/EEC on waste and Article 1(4) of Directive 91/689/EEC on hazardous waste.

#### Introduction

- 1. The present list is a harmonised list of wastes. It will be periodically reviewed on the basis of new knowledge and, in particular, of research results, and if necessary revised in accordance with Article 18 of Directive 75/442/EEC. However, the inclusion of a material in the list does not mean that the material is a waste in all circumstances. Materials are considered to be waste only where the definition of waste in Article 1(a) of Directive 75/442/EEC is met.
- 2. Wastes included in the list are subject to the provisions of Directive 75/442/EEC except where Article 2 (1)(b) of this Directive applies<sup>14</sup>.
- 3. The different types of wastes in the list are fully defined by the six-digit code for the waste and the respective two-digit and four-digit chapter headings. This implies that the following steps should be taken to identify a waste in the list.
  - 3.1 Identify the source generating the waste in Chapters 01 to 12 or 17 to 20 and identify the appropriate six-digit code of the waste (excluding codes ending with 99 of these chapters). A specific production unit may need to classify its activities in several chapters. For instance, a car manufacturer may find its wastes listed in chapters 12 (wastes from shaping and surfacing treatment of metals) 11 (inorganic wastes containing metals from metal treatment and the coating of metals) and 08 (wastes from the use of coatings), depending on the different process steps.

Note: separately collected packaging waste (including mixtures of different packaging materials) shall be classified in 15 01, not in 20 01.

- 3.2 If no appropriate waste code can be found in chapters 01 to 12 or 17 to 20, the chapters 13, 14 and 15 must be examined to identify the waste.
- 3.3 If none of these waste codes apply, the waste must be identified according to Chapter 16.
- 3.4 If the waste is not in chapter 16 either, the 99 code (wastes not otherwise specified) must be used in the section of the list corresponding to the activity identified in step one.
- 4. Any waste marked with an asterisk (\*) is considered as a hazardous waste pursuant to Directive 91/689/EEC on hazardous waste, and subject to the provisions of that Directive unless Article 1 (5) of that Directive applies.
- 5. For the purpose of this Decision, 'dangerous substance' means any substance that has been or will be classified as dangerous in Directive 67/548/EEC and its subsequent amendments; 'heavy metal' means any compound of antimony, arsenic, cadmium, chromium (VI), copper, lead, mercury, nickel, selenium, tellurium, thallium and tin, as well as these materials in metallic form, as far as these are classified as dangerous substances.
- 6. If a waste is identified as hazardous by a specific or general reference to dangerous substances, the waste is hazardous only if the concentrations of those substances are such (i.e. percentage by weight) that the waste presents one or more of the properties listed in Annex III to Council Directive 91/689/EEC. As regards H3 to H8, H10 and H11, Article 2 of this Decision shall

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<sup>&</sup>lt;sup>14</sup> Article 2(1)(b) lists materials that are excluded from the scope of the Directive.

- apply. For the characteristics H1, H2, H9 and H12 to H14, Article 2 of the present Decision does not provide specifications at present.
- 7. In line with Directive 1999/45/EC, which states in its preamble that the case of alloys has been considered to need further assessment because the characteristics of alloys are such that it may not be possible accurately to determine their properties using currently available conventional methods, the provisions of Article 2 would not apply to pure metal alloys (not contaminated by dangerous substances). This will be so pending further work that the Commission and Member States have taken the commitment to undertake on the specific approach of the classification of alloys. The waste materials which are specifically enumerated in this list shall remain classified as at present.
- 8. The following rules for numbering of the items in the list have been used: For those wastes that were not changed, the code numbers from Commission Decision 94/3/EC have been used. The codes for wastes that were changed have been deleted and remain unused in order to avoid confusion after implementation of the new list. Wastes added have been given a code that has not been used in Commission Decision 94/3/EC and Commission Decision 2000/532/EC.

## CHAPTERS OF THE LIST

- Wastes resulting from exploration, mining, quarrying, physical and chemical treatment of minerals
- Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing
- Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard
- Wastes from the leather, fur and textile industries
- Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal
- 06 Wastes from inorganic chemical processes
- Wastes from organic chemical processes
- Wastes from the manufacture, formulation, supply and use (MFSU) of coatings (paints, varnishes and vitreous enamels), sealants and printing inks
- 09 Wastes from photographic industry
- 10 Wastes from thermal processes
- Wastes from chemical surface treatment and coating of metals and other materials; non-ferrous hydro-metallurgy
- 12 Wastes from shaping and physical and mechanical surface treatment of metals and plastics
- Oil wastes and wastes of liquid fuels (except edible oils, 05 and 12)
- Waste organic solvents, refrigerants and propellants (except 07 and 08)
- Waste packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified
- Wastes no otherwise specified in the list
- 17 Construction and demolition wastes (including excavated soil from contaminated sites)
- Wastes from human or animal health care and/or related research (except kitchen and restaurant wastes not arising from immediate health care)
- Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use
- Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions

# EUROPEAN WASTE CATALOGUE AND HAZARDOUS WASTE LIST

01 WASTE RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS

| 01 01     | wastes from mineral excavation  |
|-----------|---|
| 01 01 01  | wastes from mineral metalliferous excavation  |
| 01 01 02  | wastes from mineral non-metalliferous excavation  |
| 01 03     | wastes from physical and chemical processing of metalliferous minerals  |
| 01 03 04* | acid-generating tailings from processing of sulphide ore  |
| 01 03 05* | other tailings containing dangerous substances  |
| 01 03 06  | tailings other than those mentioned in 01 03 04 and 01 03 05  |
| 01 03 07* | other wastes containing dangerous substances from physical and chemical processing of metalliferous minerals                |
| 01 03 08  | dusty and powdery wastes other than those mentioned in 01 03 07   |
| 01 03 09  | red mud from alumina production other than the wastes mentioned in 01 03 07   |
| 01 03 99  | wastes not otherwise specified  |
| 01 04     | wastes from physical and chemical processing of non-metalliferous minerals  |
| 01 04 07* | waste containing dangerous substances from physical and chemical processing of non-metalliferous minerals                   |
| 01 04 08  | waste gravel and crushed rocks other than those mentioned in 01 04 07   |
| 01 04 09  | waste sand and clays  |
| 01 04 10  | dusty and powdery wastes other than those mentioned in 01 04 07   |
| 01 04 11  | wastes from potash and rock salt processing other than those mentioned in 01 04 07  |
| 01 04 12  | tailings and other wastes from washing and cleaning of minerals other than those mentioned in $01\ 04\ 07$ and $01\ 04\ 11$ |
| 01 04 13  | waste from stone cutting and sawing other than those mentioned in 01 04 07  |
| 01 04 99  | waste not otherwise specified   |
| 01 05     | drilling muds and other drilling wastes   |
| 01 05 04  | freshwater drilling muds and wastes   |
| 01 05 05* | oil-containing drilling muds and wastes   |
| 01 05 06* | drilling muds and other drilling wastes containing dangerous substances   |
| 01 05 07  | barite-containing drilling muds and wastes other than those mentioned in $\ 01\ 05\ 05$ and $\ 01\ 05\ 06$                  |
| 01 05 08  | chloride-containing drilling muds and wastes other than those mentioned in $01\ 05\ 05$ and $01\ 05\ 06$                    |
| 01 05 99  | wastes not otherwise specified  |

| 02        | WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING   |
|-----------|--|
| 02 01     | wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing  |
| 02 01 01  | sludges from washing and cleaning  |
| 02 01 02  | animal-tissue waste  |
| 02 01 03  | plant-tissue waste   |
| 02 01 04  | waste plastics (except packaging)  |
| 02 01 06  | animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site   |
| 02 01 07  | waste from forestry  |
| 02 01 08* | agrochemical waste containing dangerous substances   |
| 02 01 09  | agrochemical waste other than those mentioned in 02 01 08  |
| 02 01 10  | waste metal  |
| 02 01 99  | wastes not otherwise specified   |
| 02 02     | wastes from the preparation and processing of meat, fish and other foods of animal origin $% \left\{ 1,2,\ldots ,n\right\}$  |
| 02 02 01  | sludges from washing and cleaning  |
| 02 02 02  | animal-tissue waste  |
| 02 02 03  | materials unsuitable for consumption or processing   |
| 02 02 04  | sludges from on-site effluent treatment  |
| 02 02 99  | waste not otherwise specified  |
| 02 03     | wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tabacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation |
| 02 03 01  | sludges from washing, cleaning, peeling, centrifuging and separation   |
| 02 03 02  | waste from preserving agents   |
| 02 03 03  | wastes from solvent extraction   |
| 02 03 04  | materials unsuitable for consumption or processing   |
| 02 03 05  | sludges from on-site effluent treatment  |
| 02 03 99  | wastes not otherwise specified   |
| 02 04     | wastes from sugar processing   |
| 02 04 01  | soil from cleaning and washing beet  |
| 02 04 02  | off-specification calcium carbonate  |
| 02 04 03  | sludges from on-site effluent treatment  |
| 04 02 99  | wastes not otherwise specified   |
| 02 05     | wastes from the dairy products industry  |
| 02 05 01  | materials unsuitable for consumption or processing   |

| 02 05 02  | sludges from on-site effluent treatment  |
|-----------|--|
| 02 05 99  | wastes not otherwise specified   |
| 02 06     | wastes from the baking and confectionery industry  |
| 02 06 01  | materials unsuitable for consumption or processing   |
| 02 06 02  | wastes from preserving agents  |
| 02 06 03  | sludges from on-site effluent treatment  |
| 02 06 99  | waste not otherwise specified  |
| 02 07     | wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and $\operatorname{cocoa}$ ) |
| 02 07 01  | wastes from washing, cleaning and mechanical reduction of raw materials  |
| 02 07 02  | wastes from spirits distillation   |
| 02 07 03  | wastes from chemical treatment   |
| 02 07 04  | materials unsuitable for consumption or processing   |
| 02 07 05  | sludges from on-site effluent treatment  |
| 02 07 99  | waste not otherwise specified  |
| 03        | WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD                    |
| 03 01     | wastes from wood processing and the production of panels and furniture   |
| 03 01 01  | waste bark and cork  |
| 03 01 04* | sawdust, shavings, cuttings, wood, particle board and veneer containing dangerous substances                         |
| 03 01 05  | sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in $03\ 01\ 04$              |
| 03 01 99  | wastes not otherwise specified   |
| 03 02     | wastes from wood preservation  |
| 03 02 01* | non-halogenated organic wood preservatives   |
| 03 02 02* | organochlorinated wood preservatives   |
| 03 02 03* | organometallic wood preservatives  |
| 03 02 04* | inorganic wood preservatives   |
| 03 02 05* | other wood preservatives containing dangerous substances   |
| 03 02 99  | wood preservatives not otherwise specified   |
| 03 03     | wastes from pulp, paper and cardboard production and processing  |
| 03 03 01  | waste bark and wood  |
| 03 03 02  | green liquor sludge (from recovery of cooking liquor)  |
| 03 03 05  | de-inking sludges from paper recycling   |
| 03 03 07  | mechanically separated rejects from pulping of waste paper and cardboard   |

| 05 01 02* | desalter sludges  |
|-----------|---|
| 05 01     | wastes from petroleum refining  |
| 05        | WASTES FROM PETROLEUM REFINING, NATURAL GAS PURIFICATION AND PYROLYTIC TREATMENT OF COAL    |
| 04 02 99  | wastes not otherwise specified  |
| 04 02 22  | wastes from processed textile fibres  |
| 04 02 21  | wastes from unprocessed textile fibres  |
| 04 02 20  | sludges from on-site effluent treatment other than those mentioned in 04 02 19              |
| 04 02 19* | sludges from on-site effluent treatment containing dangerous substances                     |
| 04 02 17  | dyestuffs and pigments other than those mentioned in 04 02 16                               |
| 04 02 16* | dyestuffs and pigments containing dangerous substances                                      |
| 04 02 15  | wastes from finishing other than those mentioned in 04 02 14                                |
| 04 02 14* | wastes from finishing containing organic solvents   |
| 04 02 10  | organic matter from natural products (for example grease, wax)                              |
| 04 02 09  | wastes from composite materials (impregnated textile, elastomer, plastomer)                 |
| 04 02     | wastes from the textile industry  |
| 04 01 99  | wastes not otherwise specified  |
| 04 01 09  | wastes from dressing and finishing  |
| 04 01 08  | waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium |
| 04 01 07  | sludges, in particular from on-site effluent treatment free of chromium                     |
| 04 01 06  | sludges, in particular from on-site effluent treatment containing chromium                  |
| 04 01 05  | tanning liquor free of chromium   |
| 04 01 04  | tanning liquor containing chromium  |
| 04 01 03* | degreasing wastes containing solvents without a liquid phase                                |
| 04 01 02  | liming waste  |
| 04 01 01  | fleshings and lime split wastes   |
| 04 01     | wastes from the leather and fur industry  |
| 04        | WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES   |
| 03 03 99  | wastes not otherwise specified  |
| 03 03 11  | sludges from on-site effluent treatment other than those mentioned in 03 03 10              |
| 03 03 10  | fibre rejects, fibre-, filler- and coating-sludges from mechanical separation               |
| 03 03 09  | lime mud waste  |
| 03 03 08  | wastes from sorting of paper and cardboard destined for recycling                           |

| 05 01 03*   | tank bottom sludges   |
|---|---|
| 05 01 04*   | acid alkyl sludges  |
| 05 01 05*   | oil spills  |
| 05 01 06*   | oily sludges from maintenance operations of the plant or equipment  |
| 05 01 07*   | acid tars   |
| 05 01 08*   | other tars  |
| 05 01 09*   | sludges from on-site effluent treatment containing dangerous substances   |
| 05 01 10  | sludges from on-site effluent treatment other than those mentioned in 05 01 09  |
| 05 01 11*   | wastes from cleaning of fuels with bases  |
| 05 01 12*   | oil containing acids  |
| 05 01 13  | boiler feedwater sludges  |
| 05 01 14  | wastes from cooling columns   |
| 05 01 15*   | spent filter clays  |
| 05 01 16  | sulphur-containing wastes from petroleum desulphurisation   |
| 05 01 17  | bitumen   |
| 05 01 99  | wastes not otherwise specified  |
| 05 06   | waste from the pyrolytic treatment of coal  |
| 05 06 01*   | acid tars   |
|   |   |
| 05 06 03*   | other tars  |
|   |   |
| 05 06 03*   | other tars  |
| 05 06 03*<br>05 06 04   | other tars waste from cooling columns   |
| 05 06 03*<br>05 06 04<br>05 06 99   | other tars waste from cooling columns wastes not otherwise specified  |
| 05 06 03*<br>05 06 04<br>05 06 99<br><b>05 07</b>   | other tars waste from cooling columns wastes not otherwise specified waste from natural gas purification and transportation   |
| 05 06 03*<br>05 06 04<br>05 06 99<br><b>05 07</b><br>05 07 01*  | other tars waste from cooling columns wastes not otherwise specified waste from natural gas purification and transportation wastes containing mercury   |
| 05 06 03*<br>05 06 04<br>05 06 99<br><b>05 07</b><br>05 07 01*<br>05 07 02                                      | other tars waste from cooling columns wastes not otherwise specified waste from natural gas purification and transportation wastes containing mercury wastes containing sulphur   |
| 05 06 03*<br>05 06 04<br>05 06 99<br><b>05 07</b><br>05 07 01*<br>05 07 02                                      | other tars waste from cooling columns wastes not otherwise specified waste from natural gas purification and transportation wastes containing mercury wastes containing sulphur   |
| 05 06 03* 05 06 04 05 06 99 <b>05 07</b> 05 07 01* 05 07 02 05 07 99  | other tars waste from cooling columns wastes not otherwise specified waste from natural gas purification and transportation wastes containing mercury wastes containing sulphur wastes not otherwise specified  |
| 05 06 03* 05 06 04 05 06 99 05 07 05 07 01* 05 07 02 05 07 99   | other tars waste from cooling columns wastes not otherwise specified waste from natural gas purification and transportation wastes containing mercury wastes containing sulphur wastes not otherwise specified  WASTES FROM INORGANIC CHEMICAL PROCESSES  |
| 05 06 03* 05 06 04 05 06 99 05 07 05 07 01* 05 07 02 05 07 99 06 06 01  | other tars waste from cooling columns wastes not otherwise specified waste from natural gas purification and transportation wastes containing mercury wastes containing sulphur wastes not otherwise specified  WASTES FROM INORGANIC CHEMICAL PROCESSES wastes from the manufacture, formulation, supply and use (MFSU) of acids   |
| 05 06 03* 05 06 04 05 06 99 05 07 05 07 01* 05 07 02 05 07 99  06 06 01 06 01 01*                               | other tars waste from cooling columns wastes not otherwise specified waste from natural gas purification and transportation wastes containing mercury wastes containing sulphur wastes not otherwise specified  WASTES FROM INORGANIC CHEMICAL PROCESSES wastes from the manufacture, formulation, supply and use (MFSU) of acids sulphuric acid and sulphurous acid  |
| 05 06 03* 05 06 04 05 06 99 05 07 05 07 01* 05 07 02 05 07 99  06 06 01 06 01 01* 06 01 02*                     | waste from cooling columns wastes not otherwise specified waste from natural gas purification and transportation wastes containing mercury wastes containing sulphur wastes not otherwise specified  WASTES FROM INORGANIC CHEMICAL PROCESSES wastes from the manufacture, formulation, supply and use (MFSU) of acids sulphuric acid and sulphurous acid hydrochloric acid   |
| 05 06 03* 05 06 04 05 06 99 05 07 05 07 01* 05 07 02 05 07 99  06 06 01 06 01 01* 06 01 02* 06 01 03*           | other tars waste from cooling columns wastes not otherwise specified waste from natural gas purification and transportation wastes containing mercury wastes containing sulphur wastes not otherwise specified  WASTES FROM INORGANIC CHEMICAL PROCESSES wastes from the manufacture, formulation, supply and use (MFSU) of acids sulphuric acid and sulphurous acid hydrochloric acid hydrochloric acid                      |
| 05 06 03* 05 06 04 05 06 99 05 07 05 07 01* 05 07 02 05 07 99  06 06 01 06 01 01* 06 01 02* 06 01 03* 06 01 04* | waste from cooling columns wastes not otherwise specified waste from natural gas purification and transportation wastes containing mercury wastes containing sulphur wastes not otherwise specified  WASTES FROM INORGANIC CHEMICAL PROCESSES wastes from the manufacture, formulation, supply and use (MFSU) of acids sulphuric acid and sulphurous acid hydrochloric acid hydrochloric acid phosphoric and phosphorous acid |

| 06 02     | wastes from the MFSU of bases   |
|-----------|---|
| 06 02 01* | calcium hydroxide   |
| 06 02 03* | ammonium hydroxide  |
| 06 02 04* | sodium and potassium hydroxide  |
| 06 02 05* | other bases   |
| 06 02 99  | wastes not otherwise specified  |
| 06 03     | wastes from the MFSU of salts and their solutions and metallic oxides                                   |
| 06 03 11* | solid salts and solutions containing cyanides   |
| 06 03 13* | solid salts and solutions containing heavy metals   |
| 06 03 14  | solid salts and solution other than those mentioned in 06 03 11 and 06 03 13                            |
| 06 03 15* | metallic oxides containing heavy metals   |
| 06 03 16  | metallic oxides other than those mentioned in 06 03 15  |
| 06 03 99  | wastes not otherwise specified  |
| 06 04     | metal-containing wastes other than those mentioned in 06 03   |
| 06 04 03* | wastes containing arsenic   |
| 06 04 04* | wastes containing mercury   |
| 06 04 05* | wastes containing other heavy metals  |
| 06 04 99  | wastes not otherwise specified  |
| 06 05     | sludges from on-site effluent treatment   |
| 06 05 02* | sludges from on-site effluent treatment containing dangerous solutions                                  |
| 06 05 03  | sludges from onsite effluent treatment other than those mentioned in 06 05 02                           |
| 06 06     | wastes from the MFSU of sulphur chemicals, sulphur chemical processes and desulphurisation processes $$ |
| 06 06 02* | wastes containing dangerous sulphides   |
| 06 06 03  | wastes containing sulphides other than those mentioned in 06 06 02                                      |
| 06 06 99  | wastes not otherwise specified  |
| 06 07     | wastes from the MFSU of halogens and halogen chemical processes   |
| 06 07 01* | wastes containing asbestos from electrolysis  |
| 06 07 02* | activated carbon from chlorine production   |
| 06 07 03* | barium sulphate sludge containing mercury   |
| 06 07 04* | solutions and acids, for example contact acid   |
| 06 07 99  | wastes not otherwise specified  |
| 06 08     | wastes from the MFSU of silicon and silicon derivatives   |
| 06 08 02* | waste containing dangerous silicones  |
| 06 08 99  | wastes not otherwise specified  |
| 06 09     | wastes from the MFSU of phosphorus chemicals and phosphorous chemical processes                         |

| 06 09 02  | phosphorus slag   |
|---|---|
| 06 09 03*   | calcium-based reaction wastes containing or contaminated with dangerous substances  |
| 06 09 04  | calcuim-based reaction wastes other than those mentioned in 06 09 03  |
| 06 09 99  | wastes not otherwise specified  |
| 06 10   | wastes from the MFSU of nitrogen chemicals, nitrogen chemical processes and fertiliser manufacture  |
| 06 10 02*   | wastes containing dangerous substances  |
| 06 10 99  | wastes not otherwise specified  |
| 06 11   | wastes from the manufacture of inorganic pigments and opacificiers  |
| 06 11 01  | calcium-based reaction wastes from titanium dioxide production  |
| 06 11 99  | wastes not otherwise specified  |
| 06 13   | wastes from inorganic chemical processes not otherwise specified  |
| 06 13 01*   | inorganic plant protection products, wood-preserving agents and other biocides  |
| 06 13 02*   | spent activated carbon (except 06 07 02)  |
| 06 13 03  | carbon black  |
| 06 13 04*   | wastes from asbestos processing   |
| 06 13 05*   | soot  |
| 06 13 99  | wastes not otherwise specified  |
|   | 1   |
|   | 1   |
| 07  | WASTES FROM ORGANIC CHEMICAL PROCESSES  |
|   |   |
| 07  | WASTES FROM ORGANIC CHEMICAL PROCESSES wastes from the manufacture, formulation, supply and use (MFSU) of basic organic   |
| 07<br>07 01   | WASTES FROM ORGANIC CHEMICAL PROCESSES wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals   |
| <b>07 07 01</b> 07 01 01*   | WASTES FROM ORGANIC CHEMICAL PROCESSES wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals aqueous washing liquids and mother liquors  |
| <b>07 07 01</b> 07 01 01* 07 01 03*   | WASTES FROM ORGANIC CHEMICAL PROCESSES  wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals  aqueous washing liquids and mother liquors  organic halogenated solvents, washing liquids and mother liquors  |
| 07<br>07 01<br>07 01 01*<br>07 01 03*<br>07 01 04*  | WASTES FROM ORGANIC CHEMICAL PROCESSES  wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals  aqueous washing liquids and mother liquors  organic halogenated solvents, washing liquids and mother liquors  other organic solvents, washing liquids and mother liquors  |
| 07<br>07 01<br>07 01 01*<br>07 01 03*<br>07 01 04*<br>07 01 07*   | WASTES FROM ORGANIC CHEMICAL PROCESSES  wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals  aqueous washing liquids and mother liquors  organic halogenated solvents, washing liquids and mother liquors  other organic solvents, washing liquids and mother liquors  halogenated still bottoms and reaction residues   |
| 07<br>07 01<br>07 01 01*<br>07 01 03*<br>07 01 04*<br>07 01 07*<br>07 01 08*  | WASTES FROM ORGANIC CHEMICAL PROCESSES  wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals  aqueous washing liquids and mother liquors  organic halogenated solvents, washing liquids and mother liquors  other organic solvents, washing liquids and mother liquors  halogenated still bottoms and reaction residues  other still bottoms and reaction residues  |
| 07<br>07 01<br>07 01 01*<br>07 01 03*<br>07 01 04*<br>07 01 07*<br>07 01 08*<br>07 01 09*                                       | WASTES FROM ORGANIC CHEMICAL PROCESSES  wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals  aqueous washing liquids and mother liquors  organic halogenated solvents, washing liquids and mother liquors  other organic solvents, washing liquids and mother liquors  halogenated still bottoms and reaction residues  other still bottoms and reaction residues  halogenated filter cakes and spent absorbents   |
| 07<br>07 01<br>07 01 01*<br>07 01 03*<br>07 01 04*<br>07 01 07*<br>07 01 08*<br>07 01 09*<br>07 01 10*                          | WASTES FROM ORGANIC CHEMICAL PROCESSES  wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals  aqueous washing liquids and mother liquors organic halogenated solvents, washing liquids and mother liquors other organic solvents, washing liquids and mother liquors halogenated still bottoms and reaction residues other still bottoms and reaction residues halogenated filter cakes and spent absorbents other filter cakes and spent absorbents  |
| 07<br>07 01<br>07 01 01*<br>07 01 03*<br>07 01 04*<br>07 01 07*<br>07 01 08*<br>07 01 09*<br>07 01 10*<br>07 01 11*             | WASTES FROM ORGANIC CHEMICAL PROCESSES  wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals  aqueous washing liquids and mother liquors organic halogenated solvents, washing liquids and mother liquors other organic solvents, washing liquids and mother liquors halogenated still bottoms and reaction residues other still bottoms and reaction residues halogenated filter cakes and spent absorbents other filter cakes and spent absorbents sludges from on-site effluent treatment containing dangerous substances  |
| 07<br>07 01<br>07 01 01*<br>07 01 03*<br>07 01 04*<br>07 01 07*<br>07 01 08*<br>07 01 09*<br>07 01 10*<br>07 01 11*<br>07 01 12 | WASTES FROM ORGANIC CHEMICAL PROCESSES  wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals  aqueous washing liquids and mother liquors organic halogenated solvents, washing liquids and mother liquors other organic solvents, washing liquids and mother liquors halogenated still bottoms and reaction residues other still bottoms and reaction residues halogenated filter cakes and spent absorbents other filter cakes and spent absorbents sludges from on-site effluent treatment containing dangerous substances sludges from on-site effluent treatment other than those mentioned in 07 01 11   |
| 07 07 01 07 01 07 01 01* 07 01 03* 07 01 04* 07 01 07* 07 01 08* 07 01 10* 07 01 11* 07 01 12 07 01 99                          | WASTES FROM ORGANIC CHEMICAL PROCESSES  wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals  aqueous washing liquids and mother liquors organic halogenated solvents, washing liquids and mother liquors other organic solvents, washing liquids and mother liquors halogenated still bottoms and reaction residues other still bottoms and reaction residues halogenated filter cakes and spent absorbents other filter cakes and spent absorbents sludges from on-site effluent treatment containing dangerous substances sludges from on-site effluent treatment other than those mentioned in 07 01 11 wastes not otherwise specified  |
| 07 07 01 07 01 07 01 01* 07 01 03* 07 01 04* 07 01 07* 07 01 08* 07 01 10* 07 01 11* 07 01 12 07 01 99 07 02                    | WASTES FROM ORGANIC CHEMICAL PROCESSES wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals aqueous washing liquids and mother liquors organic halogenated solvents, washing liquids and mother liquors other organic solvents, washing liquids and mother liquors halogenated still bottoms and reaction residues other still bottoms and reaction residues halogenated filter cakes and spent absorbents other filter cakes and spent absorbents sludges from on-site effluent treatment containing dangerous substances sludges from on-site effluent treatment other than those mentioned in 07 01 11 wastes not otherwise specified wastes from the MFSU of plastics, synthetic rubber and man-made fibres |

| 07 02 07* | halogenated still bottoms and reaction residues  |
|-----------|--|
| 07 02 08* | other still bottoms and reaction residues  |
| 07 02 09* | halogenated filter cakes and spent absorbents  |
| 07 02 10* | other filter cakes and spent absorbents  |
| 07 02 11* | sludges from on-site effluent treatment containing dangerous substances  |
| 07 02 12  | sludges from on-site effluent treatment other than those mentioned in 07 02 11   |
| 07 02 13  | waste plastic  |
| 07 02 14* | wastes from additives containing dangerous substances  |
| 07 02 15  | wastes from additives other than those mentioned in 07 02 14   |
| 07 02 16* | waste containing dangerous silicones   |
| 07 02 17  | waste containing silicones other than those mentioned in 07 02 16  |
| 07 02 99  | wastes not otherwise specified   |
| 07 03     | wastes from the MFSU of organic dyes and pigments (except 06 11)   |
| 07 03 01* | aqueous washing liquids and mother liquors   |
| 07 03 03* | organic halogenated solvents, washing liquids and mother liquors   |
| 07 03 04* | other organic solvents, washing liquids and mother liquors   |
| 07 03 07* | halogenated still bottoms and reaction residues  |
| 07 03 08* | other still bottoms and reaction residues  |
| 07 03 09* | halogenated filter cakes and spent absorbents  |
| 07 03 10* | other filter cakes and spent absorbents  |
| 07 03 11* | sludges from on-site effluent treatment containing dangerous substances  |
| 07 03 12  | sludges from on-site effluent treatment other than those mentioned in 07 03 11   |
| 07 03 99  | wastes not otherwise specified   |
| 07 04     | wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides |
| 07 04 01* | aqueous washing liquids and mother liquors   |
| 07 04 03* | organic halogenated solvents, washing liquids and mother liquors   |
| 07 04 04* | other organic solvents, washing liquids and mother liquids   |
| 07 04 07* | halogenated still bottoms and reaction residues  |
| 07 04 08* | other still bottoms and reaction residues  |
| 07 04 09* | halogenated filter cakes and spent absorbents  |
| 07 04 10* | other filter cakes and spent absorbents  |
| 07 04 11* | sludges from on-site effluent treatment containing dangerous substances  |
| 07 04 12  | sludges from on-site effluent treatment other than those mentioned in 07 04 11   |
| 07 04 13* | solid wastes containing dangerous substances   |
| 07 04 99  | wastes not otherwise specified   |

| 07 05     | wastes from the MFSU of pharmaceuticals  |
|-----------|--|
| 07 05 01* | aqueous washing liquids and mother liquors   |
| 07 05 03* | organic halogenate95(o)23.shshsr6.1(ds)8( a)15.4(nd )23.8(m)-7.7(o)23.8(t)16.1(h)-23.8(e)15.4(r)-0.3( l)16.1(i |

| 08        | WASTES FORM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS,) ADHESIVES, SEALANTS AND PRINTING INKS |
|-----------|---|
| 08 01     | wastes from MFSU and removal of paint and varnish   |
| 08 01 11* | waste paint and varnish containing organic solvents or other dangerous substances   |
| 08 01 12  | waste paint and varnish other than those mentioned in 08 01 11  |
| 08 01 13* | sludges from paint or varnish containing organic solvents or other dangerous substances   |
| 08 01 14  | sludges from paint or varnish other than those mentioned in 08 01 13  |
| 08 01 15* | aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances   |
| 08 01 16  | aqueous sludges containing paint or varnish other than those mentioned in 08 01 15  |
| 08 01 17* | wastes from paint or varnish removal containing organic solvents or other dangerous substances  |
| 08 01 18  | wastes from paint or varnish removal other than those mentioned in 08 01 17   |
| 08 01 19* | aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances   |
| 08 01 20  | aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19  |
| 08 01 21* | waste paint or varnish remover  |
| 08 01 99  | wastes not otherwise specified  |
| 08 02     | wastes from MFSU of other coatings (including ceramic materials)  |
| 08 02 01  | waste coating powders   |
| 08 02 02  | aqueous sludges containing ceramic materials  |
| 08 02 03  | aqueous suspensions containing ceramic materials  |
| 08 02 99  | wastes not otherwise specified  |
| 08 03     | wastes from MFSU of printing inks   |
| 08 03 07  | aqueous sludges containing ink  |
| 08 03 08  | aqueous liquid waste containing ink   |
| 08 03 12* | waste ink containing dangerous substances   |
| 08 03 13  | waste ink other than those mentioned in 08 03 12  |
| 08 03 14* | ink sludges containing dangerous substances   |
| 08 03 15  | ink sludges other than those mentioned in 08 03 14  |
| 08 03 16* | waste etching solutions   |
| 08 03 17* | waste printing toner containing dangerous substances  |
| 08 03 18  | waste printing toner other than those mentioned in 08 03 17   |
| 08 03 19* | disperse oil  |
| 08 03 99  | wastes not otherwise specified  |

| 08 04     | wastes from MFSU of adhesives and sealants (including waterproofing products)                                   |
|-----------|---|
| 08 04 09* | waste adhesives and sealants containing organic solvents or other dangerous substances                          |
| 08 04 10  | waste adhesives and sealants other than those mentioned in 08 04 09   |
| 08 04 11* | adhesive and sealant sludges containing organic solvents or other dangerous substances                          |
| 08 04 12  | adhesive and sealant sludges other than those mentioned in 08 04 11   |
| 08 04 13* | aqueous sludges containing adhesives or sealants containing organic solvents or other dangerous substances      |
| 08 04 14  | aqueous sludges containing adhesives or sealants other than those mentioned in 08 04 13                         |
| 08 04 15* | aqueous liquid waste containing adhesives or sealants containing organic solvents or other dangerous substances |
| 08 04 16  | aqueous liquid waste containing adhesives or sealants other than those mentioned in $08\ 04$ $15$               |
| 08 04 17* | rosin oil   |
| 08 04 99  | wastes not otherwise specified  |
| 08 05     | wastes not otherwise specified in 08  |
| 08 05 01* | waste isocyanates   |
|           |   |
| 09        | WASTES FROM THE PHOTOGRAPHIC INDUSTRY   |
| 09 01     | wastes for the photographic industry  |
| 09 01 01* | water-based developer and activator solutions   |
| 09 01 02* | water-based offset plate developer solutions  |
| 09 01 03* | solvent-based developer solutions   |
| 09 01 04* | fixed solutions   |
| 09 01 05* | bleach solutions and bleach fixer solutions   |
| 09 01 06* | wastes containing silver from on-site treatment of photographic wastes  |
| 09 01 07  | photographic film and paper containing silver or silver compounds   |
| 09 01 08  | photographic film and paper free of silver or silver compounds  |
| 09 01 10  | single-use cameras without batteries  |
| 09 01 11* | single-use cameras containing batteries included in 16 06 01, 16 06 02 or 16 06 03                              |
| 09 01 12  | single-use cameras containing batteries other than those mentioned in 09 01 11                                  |
| 09 01 13* | aqueous liquid waste from on-site reclamation of silver other than those mentioned in $09$ $01$ $06$            |
| 09 01 99  | wastes not otherwise specified  |
|           |   |
| 10        | WASTES FROM THERMAL PROCESSES   |
| 10 01     | wastes from power stations and other combustion plants (except 19)  |
| 10 01 01  | bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)                                  |

| 10 01 02  | coal fly ash  |
|-----------|---|
| 10 01 03  | fly ash from peat and untreated wood  |
| 10 01 04* | oil fly ash and boiler dust   |
| 10 01 05  | calcium-based reaction wastes from flue-gas desulphurisation in solid form                        |
| 10 01 07  | calcium-based reaction wastes from flue-gas desulphurisation in sludge form                       |
| 10 01 09* | sulphuric acid  |
| 10 01 13* | fly ash from emulsified hydrocarbons used as fuel   |
| 10 01 14* | bottom ash, slag and boiler dust from co-incineration containing dangerous substances             |
| 10 01 15  | bottom ash, slag and boiler dust from co-incineration other than those mentioned in $10\ 01$ $14$ |
| 10 01 16* | fly ash from co-incineration containing dangerous substances                                      |
| 10 01 17  | fly ash from co-incineration other than those mentioned in 10 01 16                               |
| 10 01 18* | wastes from gas cleaning containing dangerous substances  |
| 10 01 19  | wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18            |
| 10 01 20* | sludges from on-site effluent treatment containing dangerous substances                           |
| 10 01 21  | sluges from on-site effluent treatment other than those mentioned in 10 01 20                     |
| 10 01 22* | aqueous sludges from boiler cleansing containing dangerous substances                             |
| 10 01 23  | aqueous sludges from boiler cleansing other than those mentioned in $100122$                      |
| 10 01 24  | sands from fluidised beds   |
| 10 01 25  | wastes from fuel storage and preparation of coal-fired power plants                               |
| 10 01 26  | wastes from cooling-water treatment   |
| 10 01 99  | wastes not otherwise specified  |
| 10 02     | wastes from the iron and steel industry   |
| 10 02 01  | wastes from the processing of slag  |
| 10 02 02  | unprocessed slag  |
| 10 02 07* | solid wastes from gas treatment containing dangerous substances                                   |
| 10 02 08  | solid wastes from gas treatment other than those mentioned in 10 02 07                            |
| 10 02 10  | mill scales   |
| 10 02 11* | wastes from cooling-water treatment containing oil  |
| 10 02 12  | waste from cooling-water treatment other than those mentioned in 10 02 11                         |
| 10 02 13* | sludges and filter cakes from gas treatment containing dangerous substances                       |
| 10 02 14  | sludges and filter cakes from gas treatment other than those mentioned in 10 02 13                |
| 10 02 15  | other sludges and filter cakes  |
| 10 02 99  | wastes not otherwise specified  |
| 10 03     | wastes from aluminium thermal metallurgy  |
| 10 03 02  | anode scraps  |

| 10 03 04* | primary production slags   |
|-----------|--|
| 10 03 05  | waste alumina  |
| 10 03 08* | salt slags from secondary production   |
| 10 03 09* | black drosses from secondary production  |
| 10 03 15* | skimmings that are flammable or emit, upon contact with water, flammable gases in dangerous quantities |
| 10 03 16  | skimming other than those mentioned in 10 03 15  |
| 10 03 17* | tar-containing wastes from anode manufacture   |
| 10 03 18  | carbon-containing waste from anode manufacture other than those mentioned in $100317$                  |
| 10 03 19* | flue-gas dust containing dangerous substances  |
| 10 03 20  | flue-gas dust other than those mentioned in 10 03 19   |
| 10 03 21* | other particulates and dust (including ball-mill dust) containing dangerous substances                 |
| 10 03 22  | other particulates and dust (including ball-mill dust) other than those mentioned in $10\ 03$ $21$     |
| 10 03 23* | solid wastes from gas treatment containing dangerous substances  |
| 10 03 24  | solid wastes from gas treatment other than those mentioned in 10 03 23                                 |
| 10 03 25* | sludges and filter cakes from gas treatment containing dangerous substances                            |
| 10 03 26  | sludges and filter cakes from gas treatment other than those mentioned in 10 03 25                     |
| 10 03 27* | wastes from cooling-water treatment containing oil   |
| 10 03 28  | wastes from cooling-water treatment other than those mentioned in 10 03 27                             |
| 10 03 29* | waste from treatment of salt slags and black drosses containing dangerous substances                   |
| 10 03 30  | wastes from treatment of salt slags and black drosses other than those mentioned in $10\ 03$ $29$      |
| 10 03 99  | wastes not otherwise specified   |
| 10 04     | wastes from lead thermal metallurgy  |
| 10 04 01* | slags from primary and secondary production  |
| 10 04 02* | dross and skimmings from primary and secondary production  |
| 10 04 03* | calcium arsenate   |
| 10 04 04* | flue-gas dust  |
| 10 04 05* | other particulates and dust  |
| 10 04 06* | solid wastes from gas treatment  |
| 10 04 07* | sludges and filter cakes from gas treatment  |
| 10 04 09* | wastes from cooling-water treatment containing oil   |
| 10 04 10  | waste from cooling-water treatment other than those mentioned in 10 04 09                              |
| 10 04 99  | wastes not otherwise specified   |
| 10 05     | wastes from zinc thermal metallurgy  |
| 10 05 01  | slags from primary and secondary production  |

| 10 05 03* | flue-gas dust  |
|-----------|--|
| 10 05 04  | other particulates and dust  |
| 10 05 05* | solid waste from gas treatment   |
| 10 05 06* | sludges and filter cakes from gas treatment  |
| 10 05 08* | wastes from cooling-water treatment containing oil   |
| 10 05 09  | wastes from cooling-water treatment other than those mentioned in $10\ 05\ 08$                                     |
| 10 05 10* | dross and skimmings that are flammable or emit, upon contact with water, flammable gases in dangerous quantities   |
| 10 05 11  | dross and skimmings other than those mentioned in 10 05 10   |
| 10 05 99  | wastes not otherwise specified   |
| 10 06     | wastes from copper thermal metallurgy  |
| 10 06 01  | slags from primary and secondary production  |
| 10 06 02  | dross and skimmings from primary and secondary production  |
| 10 06 03* | flue-gas dust  |
| 10 06 04  | other particulates and dust  |
| 10 06 06* | solid wastes from gas treatment  |
| 10 06 07* | sludges and filter cakes from has treatment  |
| 10 06 09* | wastes from cooling-water treatment containing oil   |
| 10 06 10  | waste from cooling-water treatment other than those mentioned in 10 06 09  |
| 10 06 99  | wastes not otherwise specified   |
| 10 07     | wastes from silver, gold and platinum thermal metalurgy  |
| 10 07 01  | slags from primary and secondary production  |
| 10 07 02  | dross and skimmings from primary and secondary production  |
| 10 07 03  | solid wastes from gas treatment  |
| 10 07 04  | other particultes and dust   |
| 10 07 05  | sludges and filter cakes from gas treatment  |
| 10 07 07* | wastes from cooling-water treatment containing oil   |
| 10 07 08  | wastes from cooling-water treatment other than those mentioned in 10 07 07   |
| 10 07 99  | wastes not otherwise specified   |
| 10 08     | wastes from other non-ferous thermal metallurgy  |
| 10 08 04  | particulates and dust  |
| 10 08 08* | salt slag from primary and secondary production  |
| 10 08 09  | other slags  |
| 10 08 10* | dross and skimming that are flammable or emit, upon the contact with water, flammable gases in dangerous quanities |
| 10 08 11  | dross and skimmings other than those mentioned in 10 08 10   |

| 10 08 12* | tar-containing waste from anode manufacture  |
|-----------|--|
| 10 08 13  | carbon-containing wastes from anode manufacture other than those mentioned in $10\ 08\ 12$           |
| 10 08 14  | anode scrap  |
| 10 08 15* | flue-gas dust containing dangerous substances  |
| 10 08 16  | flue-gas dust other than those mentioned in 10 08 15   |
| 10 08 17* | sludges and filter cakes from flue-gas treatment containing dangerous substances                     |
| 10 08 18  | sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17              |
| 10 08 19* | wastes from cooling-water treatment containing oil   |
| 10 08 20  | wastes from cooling-water treatment other than those mentioned in 10 08 19                           |
| 10 08 99  | wastes not otherwise specified   |
| 10 09     | wastes from casting of ferrous pieces  |
| 10 09 03  | furnace slag   |
| 10 09 05* | casting cores and moulds which have not undergone pouring containing dangerous substances            |
| 10 09 06  | casting cores and moulds which have not undergone pouring other than those mentioned in $10\ 09\ 05$ |
| 10 09 07* | casting cores and moulds which have undergone pouring containing dangerous substances                |
| 10 09 08  | casting cores and moulds have undergone pouring other than those mentioned in 10 09 07               |
| 10 09 09* | flue-gas dust containing dangerous substances  |
| 10 09 10  | flue-gas dust other than those mentioned in 10 09 09   |
| 10 09 11* | other particulates containing dangerous substances   |
| 10 09 12  | other particulates other than those mentioned in 10 09 11  |
| 10 09 13* | waste binders containing dangerous substances  |
| 10 09 14  | waste binders other than those mentioned in 10 09 13   |
| 10 09 15* | waste crack-indicating agent containing dangerous substances   |
| 10 09 16  | waste crack-indicating agent other than those mentioned in 10 09 15                                  |
| 10 09 99  | wastes not otherwise specified   |
| 10 10     | wastes from casting of non-ferrous pieces  |
| 10 10 03  | furnace slag   |
| 10 10 05* | casting cores and moulds which have not undergone pouring, containing dangerous substances           |
| 10 10 06  | casting cores and moulds which have not undergone pouring, other than those mentioned in $101005$    |
| 10 10 07* | casting cores and moulds which have undergone pouring, containing dangerous substances               |
| 10 10 08  | casting cores and moulds which have undergone pouring, other than those mentioned in $101007$        |
| 10 10 09* | flue-gas dust containing dangerous substances  |

| 10 10 10  | flue-gas dust other than those mentioned in 10 10 09   |
|-----------|--|
| 10 10 11* | other particulates containing dangerous substances   |
| 10 10 12  | other particulates other than those mentioned in 10 10 11  |
| 10 10 13* | waste binders containing dangerous substances  |
| 10 10 14  | waste binders other than those mentioned in 10 10 13   |
| 10 10 15* | waste crack-indicating agent containing dangerous substances   |
| 10 10 16  | waste crack-indicating agent other than those mentioned in 10 10 15  |
| 10 10 99  | wastes not otherwise specified   |
| 10 11     | wastes from manufacture of glass and glass products  |
| 10 11 03  | waste glass-based fibrous materials  |
| 10 11 05  | particulates and dust  |
| 10 11 09* | waste preparation mixture before thermal processing, containing dangerous substances                         |
| 10 11 10  | waste preparation mixture before thermal processing, other than those mentioned in $101109$                  |
| 10 11 11* | waste glass in small particles and glass powder containing heavy metals (for example from cathode ray tubes) |
| 10 11 12  | waste glass other than those mentioned in 10 11 11   |
| 10 11 13* | glass-polishing and -grinding sludge containing dangerous substances   |
| 10 11 14  | glass-polishing and -grinding sludge other than those mentioned in 10 11 13                                  |
| 10 11 15* | solid wastes from flue-gas treatment containing dangerous substances   |
| 10 11 16  | solid wastes from flue-gas treatment other than those mentioned in 10 11 15                                  |
| 10 11 17* | sludges and filter cakes from flue-gas treatment containing dangerous substances                             |
| 10 11 18  | sludges and filter cakes from flue-gas treatment other than those mentioned in 10 11 17                      |
| 10 11 19* | solid wastes from on-site effluent treatment containing dangerous substances                                 |
| 10 11 20  | solid wastes from on-site effluent treatment other than those mentioned in 10 11 19                          |
| 10 11 99  | wastes not otherwise specified   |
| 10 12     | wastes from manufacture of ceramic goods, bricks, tiles and construction products                            |
| 10 12 01  | waste preparation mixture before thermal processing  |
| 10 12 03  | particulates and dust  |
| 10 12 05  | sludges and  |
|           |  |

| 10 12 13   | sludge from on-site effluent treatment  |
|--|---|
| 10 12 99   | wastes not otherwise specified  |
| 10 13  | wastes from manufacture of cement, lime and plaster and articles and products made from them $$   |
| 10 13 01   | waste preparation mixture before thermal processing   |
| 10 13 04   | wastes from calcination and hydration of lime   |
| 10 13 06   | particulates and dust (except 10 13 12 and 10 13 13)  |
| 10 13 07   | sludges and filter cakes from gas treatment   |
| 10 13 09*  | wastes from asbestos-cement manufacture containing asbestos   |
| 10 13 10   | wastes from asbestos-cement manufacture other than those mentioned in 10 13 09  |
| 10 13 11   | wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10 $$   |
| 10 13 12*  | solid wastes from gas treatment containing dangerous substances   |
| 10 13 13   | solid wastes from gas treatment other than those mentioned in 10 13 12  |
| 10 13 14   | waste concrete and concrete sludge  |
| 10 13 99   | wastes not otherwise specified  |
| 10 14  | waste from crematoria   |
| 10 14 01*  | waste from gas cleaning containing mercury  |
| 11 01  | WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY  |
| 11 01  | wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching,  |
| 11 01 05*  | phosphating, alkaline degreasing, anodising)  |
| 11 01 05   |   |
| 11 01 06*  | phosphating, alkaline degreasing, anodising)  |
|  | phosphating, alkaline degreasing, anodising) pickling acids   |
| 11 01 06*  | phosphating, alkaline degreasing, anodising) pickling acids acids not otherwise specified   |
| 11 01 06*<br>11 01 07*   | phosphating, alkaline degreasing, anodising) pickling acids acids not otherwise specified pickling bases  |
| 11 01 06*<br>11 01 07*<br>11 01 08*  | phosphating, alkaline degreasing, anodising) pickling acids acids not otherwise specified pickling bases phosphatising sludges  |
| 11 01 06*<br>11 01 07*<br>11 01 08*<br>11 01 09*                                       | phosphating, alkaline degreasing, anodising)  pickling acids acids not otherwise specified pickling bases phosphatising sludges sludges and filter cakes containing dangerous substances  |
| 11 01 06*<br>11 01 07*<br>11 01 08*<br>11 01 09*<br>11 01 10                           | phosphating, alkaline degreasing, anodising)  pickling acids acids not otherwise specified pickling bases phosphatising sludges sludges and filter cakes containing dangerous substances sludges and filter cakes other than those mentioned in 11 01 09  |
| 11 01 06*<br>11 01 07*<br>11 01 08*<br>11 01 09*<br>11 01 10<br>11 01 11*              | phosphating, alkaline degreasing, anodising) pickling acids acids not otherwise specified pickling bases phosphatising sludges sludges and filter cakes containing dangerous substances sludges and filter cakes other than those mentioned in 11 01 09 aqueous rinsing liquids containing dangerous substances   |
| 11 01 06* 11 01 07* 11 01 08* 11 01 09* 11 01 10 11 01 11* 11 01 12                    | phosphating, alkaline degreasing, anodising)  pickling acids acids not otherwise specified  pickling bases  phosphatising sludges  sludges and filter cakes containing dangerous substances  sludges and filter cakes other than those mentioned in 11 01 09  aqueous rinsing liquids containing dangerous substances  aqueous rinsing liquids other than those mentioned in 11 01 11   |
| 11 01 06* 11 01 07* 11 01 08* 11 01 09* 11 01 10 11 01 11* 11 01 12 11 01 13*          | phosphating, alkaline degreasing, anodising)  pickling acids  acids not otherwise specified  pickling bases  phosphatising sludges  sludges and filter cakes containing dangerous substances  sludges and filter cakes other than those mentioned in 11 01 09  aqueous rinsing liquids containing dangerous substances  aqueous rinsing liquids other than those mentioned in 11 01 11  degreasing wastes containing dangerous substances   |
| 11 01 06* 11 01 07* 11 01 08* 11 01 09* 11 01 10 11 01 11* 11 01 12 11 01 13* 11 01 14 | phosphating, alkaline degreasing, anodising)  pickling acids acids not otherwise specified pickling bases  phosphatising sludges sludges and filter cakes containing dangerous substances sludges and filter cakes other than those mentioned in 11 01 09 aqueous rinsing liquids containing dangerous substances aqueous rinsing liquids other than those mentioned in 11 01 11 degreasing wastes containing dangerous substances degreasing wastes other than those mentioned in 11 01 13 eluate and sludges from membrane systems or ion exchange systems containing dangerous |

| 11 01 99  | wastes not otherwise specified   |
|---|--|
| 11 02   | waste from non-ferrous hydrometallurgical processes  |
| 11 02 02*   | sludges from zinc hydrometallurgy (including jarosite, goethite)   |
| 11 02 03  | wastes from the production of anodes for aqueous electrolytical processes  |
| 11 02 05*   | wastes from copper hydrometallurgical processes containing dangerous substances  |
| 11 02 06  | wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05   |
| 11 02 07*   | other wastes containing dangerous substances   |
| 11 02 99  | wastes not otherwise specified   |
| 11 03   | sludges and solids from tempering processes  |
| 11 03 01*   | waste containing cyanide   |
| 11 03 02*   | other wastes   |
| 11 05   | wastes from hot galvanising processes  |
| 11 05 01  | hard zinc  |
| 11 05 02  | zinc ash   |
| 11 05 03*   | solid wastes from gas treatment  |
| 11 05 04*   | spent flux   |
| 11 05 99  | wastes not otherwise specified   |
|   |  |
|   |  |
| 12  | WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS   |
| 12<br>12 01   |  |
|   | TREATMENT OF METALS AND PLASTICS wastes from shaping and physical and mechanical surface treatment of metals and   |
| 12 01   | TREATMENT OF METALS AND PLASTICS wastes from shaping and physical and mechanical surface treatment of metals and plastics  |
| <b>12 01</b> 12 01 01   | TREATMENT OF METALS AND PLASTICS  wastes from shaping and physical and mechanical surface treatment of metals and plastics  ferrous metal filings and turnings   |
| 12 01<br>12 01 01<br>12 01 02   | TREATMENT OF METALS AND PLASTICS  wastes from shaping and physical and mechanical surface treatment of metals and plastics  ferrous metal filings and turnings  ferrous metal dust and particles   |
| 12 01<br>12 01 01<br>12 01 02<br>12 01 03   | TREATMENT OF METALS AND PLASTICS  wastes from shaping and physical and mechanical surface treatment of metals and plastics  ferrous metal filings and turnings  ferrous metal dust and particles  non-ferrous metal filings and turnings   |
| 12 01<br>12 01 01<br>12 01 02<br>12 01 03<br>12 01 04   | TREATMENT OF METALS AND PLASTICS  wastes from shaping and physical and mechanical surface treatment of metals and plastics  ferrous metal filings and turnings  ferrous metal dust and particles  non-ferrous metal filings and turnings  non-ferrous metal dust and particles   |
| 12 01<br>12 01 01<br>12 01 02<br>12 01 03<br>12 01 04<br>12 01 05   | TREATMENT OF METALS AND PLASTICS  wastes from shaping and physical and mechanical surface treatment of metals and plastics  ferrous metal filings and turnings  ferrous metal dust and particles  non-ferrous metal filings and turnings  non-ferrous metal dust and particles  plastics shavings and turnings   |
| 12 01<br>12 01 01<br>12 01 02<br>12 01 03<br>12 01 04<br>12 01 05<br>12 01 06*  | TREATMENT OF METALS AND PLASTICS  wastes from shaping and physical and mechanical surface treatment of metals and plastics  ferrous metal filings and turnings  ferrous metal dust and particles  non-ferrous metal filings and turnings  non-ferrous metal dust and particles  plastics shavings and turnings  mineral-based machining oils containing halogens (except emulsions and solutions)  |
| 12 01<br>12 01 01<br>12 01 02<br>12 01 03<br>12 01 04<br>12 01 05<br>12 01 06*<br>12 01 07*                               | wastes from shaping and physical and mechanical surface treatment of metals and plastics  ferrous metal filings and turnings  ferrous metal dust and particles  non-ferrous metal filings and turnings  non-ferrous metal dust and particles  plastics shavings and turnings  mineral-based machining oils containing halogens (except emulsions and solutions)  mineral-based machining oils free of halogens (except emulsions and solutions)  |
| 12 01  12 01 01  12 01 02  12 01 03  12 01 04  12 01 05  12 01 06*  12 01 07*  12 01 08*                                  | wastes from shaping and physical and mechanical surface treatment of metals and plastics  ferrous metal filings and turnings  ferrous metal dust and particles  non-ferrous metal filings and turnings  non-ferrous metal dust and particles  plastics shavings and turnings  mineral-based machining oils containing halogens (except emulsions and solutions)  mineral-based machining oils free of halogens (except emulsions and solutions)  machining emulsions and solutions containing halogens   |
| 12 01  12 01 01  12 01 02  12 01 03  12 01 04  12 01 05  12 01 06*  12 01 07*  12 01 08*  12 01 09*                       | wastes from shaping and physical and mechanical surface treatment of metals and plastics ferrous metal filings and turnings ferrous metal dust and particles non-ferrous metal filings and turnings non-ferrous metal dust and particles plastics shavings and turnings mineral-based machining oils containing halogens (except emulsions and solutions) mineral-based machining oils free of halogens (except emulsions and solutions) machining emulsions and solutions containing halogens machining emulsions and solutions free of halogens  |
| 12 01  12 01 01  12 01 02  12 01 03  12 01 04  12 01 05  12 01 06*  12 01 07*  12 01 08*  12 01 09*  12 01 10*            | TREATMENT OF METALS AND PLASTICS  wastes from shaping and physical and mechanical surface treatment of metals and plastics  ferrous metal filings and turnings  ferrous metal dust and particles  non-ferrous metal filings and turnings  non-ferrous metal dust and particles  plastics shavings and turnings  mineral-based machining oils containing halogens (except emulsions and solutions)  mineral-based machining oils free of halogens (except emulsions and solutions)  machining emulsions and solutions containing halogens  machining emulsions and solutions free of halogens  synthetic machining oils |
| 12 01  12 01 01  12 01 02  12 01 03  12 01 04  12 01 05  12 01 06*  12 01 07*  12 01 08*  12 01 09*  12 01 10*  12 01 12* | wastes from shaping and physical and mechanical surface treatment of metals and plastics ferrous metal filings and turnings ferrous metal dust and particles non-ferrous metal filings and turnings non-ferrous metal dust and particles plastics shavings and turnings mineral-based machining oils containing halogens (except emulsions and solutions) mineral-based machining oils free of halogens (except emulsions and solutions) machining emulsions and solutions containing halogens synthetic machining oils spent waxes and fats   |

| 12 01 16* | waste blasting material containing dangerous substances  |
|-----------|--|
| 12 01 17  | waste blasting material other than those mentioned in 12 01 16   |
| 12 01 18* | metal sludge (grinding, honing and lapping sludge) containing oil  |
| 12 01 19* | readily biodegradable machining oil  |
| 12 01 20* | spent grinding bodies and grinding materials containing dangerous substances                               |
| 12 01 21  | spent grinding bodies and grinding materials other than those mentioned in 12 01 20                        |
| 12 01 99  | wastes not otherwise specified   |
| 12 03     | wastes from water and steam degreasing processes (except 11)   |
| 12 03 01* | aqueous washing liquids  |
| 12 03 02* | steam degreasing wastes  |
|           |  |
| 13        | <b>OIL WASTES AND WASTES OF LIQUID FUELS</b> (except edible oils, and those in chapters 05, 12 and 19)     |
| 13 01     | waste hydraulic oils   |
| 13 01 01* | hydraulic oils, containing PCBs (15)   |
| 13 01 04* | chlorinated emulsions  |
| 13 01 05* | non-chlorinated emulsions  |
| 13 01 09* | mineral-based chlorinated hydraulic oils   |
| 13 01 10* | mineral-based non-chlorinated hydraulic oils   |
| 13 01 11* | synthetic hydraulic oils   |
| 13 01 12* | readily biodegradable hydraulic oils   |
| 13 01 13* | other hydraulic oils   |
| 13 02     | waste engine, gear and lubricating oils  |
| 13 02 04* | mineral-based chlorinated engine, gear and lubricating oils  |
| 13 02 05* | mineral-based non-chlorinated engine, gear and lubricating oils  |
| 13 02 06* | synthetic engine, gear and lubricating oils  |
| 13 02 07* | readily biodegradable engine, gear and lubricating oils  |
| 13 02 08* | other engine, gear and lubricating oils  |
| 13 03     | waste insulating and heat transmission oils  |
| 13 03 01* | insulating or heat transmission oils containing PCBs   |
| 13 03 06* | mineral-based chlorinated insulating and heat transmission oils other than those mentioned in $13\ 03\ 01$ |
| 13 03 07* | mineral-based non-chlorinated insulating and heat transmission oils  |
|           |  |
| 13 03 08* | synthetic insulating and heat transmission oils  |

<sup>15</sup> For the purpose of this list of wastes, PCBs will be defined as in Directive 96/59/EC.

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| 13 03 09* | readily biodegradable insulating and heat transmission oils  |
|-----------|--|
| 13 03 10* | other insulating and heat transmission oils  |
| 13 04     | bilge oils   |
| 13 04 01* | bilge oils from inland navigation  |
| 13 04 02* | bilge oils from jetty sewers   |
| 13 04 03* | bilge oils from other navigation   |
| 13 05     | oil/water separator contents   |
| 13 05 01* | solids from grit chambers and oil/water separators   |
| 13 05 02* | sludges from oil/water separators  |
| 15 03 03* | interceptor sludges  |
| 13 05 06* | oil from oil/water separators  |
| 13 05 07* | oily water from oil/water separators   |
| 13 05 08* | mixtures of wastes from grit chambers and oil/water separators   |
| 13 07     | wastes of liquid fuels   |
| 13 07 01* | fuel oil and diesel  |
| 13 07 02* | petrol   |
| 13 07 03* | other fuels (including mixtures)   |
| 13 08     | oil wastes not otherwise specified   |
| 13 08 01* | desalter sludges or emulsions  |
| 13 08 02* | other emulsions  |
| 13 08 99  | wastes not otherwise specified   |
| 14        | WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except   |
|           | 07 and 08)   |
| 14 06     | waste organic solvents, refrigerants and foam/aerosol propellants  |
| 14 06 01* | chlorofluorocarbons, HCFC, HFC   |
| 14 06 02* | other halogenated solvents and solvent mixtures  |
| 14 06 03* | other solvents and solvent mixtures  |
| 14 06 04* | sludges or solid wastes containing halogenated solvents  |
| 14 06 05* | sludges or solid wastes containing other solvents  |
| 15        | WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED |
| 15 01     | packaging (including separately collected municipal packaging waste)   |
| 15 01 01  | paper and cardboard packaging  |
| 15 01 02  | plastic packaging  |

| 15 01 03  | wooden packaging   |  |  |  |  |
|-----------|--|--|--|--|--|
| 15 01 04  | metallic packaging   |  |  |  |  |
| 15 01 05  | composite packaging  |  |  |  |  |
| 15 01 06  | mixed packaging  |  |  |  |  |
| 15 01 07  | glass packaging  |  |  |  |  |
| 15 01 09  | textile packaging  |  |  |  |  |
| 15 01 10* | packaging containing residues of or contaminated by dangerous substances   |  |  |  |  |
| 15 01 11* | metallic packaging containing a dangerous solid porous matrix (for example asbestos), including empty pressure containers  |  |  |  |  |
| 15 02     | absorbents, filter materials, wiping cloths and protective clothing  |  |  |  |  |
| 05 02 02* | absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances  |  |  |  |  |
| 15 02 03  | absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in $15\ 02\ 02$   |  |  |  |  |
| 16        | WASTES NOT OTHERWISE SPECIFIED IN THE LIST   |  |  |  |  |
| 16 01     | end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08) |  |  |  |  |
| 16 01 03  | end-of-life tyres  |  |  |  |  |
| 16 01 04* | end-of-life vehicles   |  |  |  |  |
| 16 01 06  | end-of-life vehicles, containing neither liquids nor other hazardous components  |  |  |  |  |
| 16 01 07* | oil filters  |  |  |  |  |
| 16 01 08* | components containing mercury  |  |  |  |  |
| 16 01 09* | components containing PCBs   |  |  |  |  |
| 16 01 10* | explosive components (for example air bags)  |  |  |  |  |
| 16 01 11* | brake pads containing asbestos   |  |  |  |  |
| 16 01 12  | brake pads other than those mentioned in 16 01 11  |  |  |  |  |
| 16 01 13* | brake fluids   |  |  |  |  |
| 16 01 14* | antifreeze fluids containing dangerous substances  |  |  |  |  |
| 16 01 15  | antifreeze fluids other than those mentioned in 16 01 14   |  |  |  |  |
| 16 01 16  | tanks for liquefied gas  |  |  |  |  |
| 16 01 17  | ferrous metal  |  |  |  |  |
| 16 01 18  | non-ferrous metal  |  |  |  |  |
| 16 01 19  | plastic  |  |  |  |  |
| 16 01 20  | glass  |  |  |  |  |
| 16 01 21* | hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14 $$   |  |  |  |  |

| 16 01 22   | components not otherwise specified  |  |  |  |  |
|--|---|--|--|--|--|
| 16 01 99   | wastes not otherwise specified  |  |  |  |  |
| 16 02  | wastes from electrical and electronic equipment   |  |  |  |  |
| 16 02 09*  | transformers and capacitors containing PCBs   |  |  |  |  |
| 16 02 10*  | discarded equipment containing or contaminated by PCBs other than those mentioned in $160209$   |  |  |  |  |
| 16 02 11*  | discarded equipment containing chlorofluorocarbons, HCFC, HFC   |  |  |  |  |
| 16 02 12*  | discarded equipment containing free asbestos  |  |  |  |  |
| 06 02 13*  | discarded equipment containing hazardous components ( $^{16}$ ) other than those mentioned in 16 02 09 to 16 02 12  |  |  |  |  |
| 06 02 14   | discarded equipment other than those mentioned in 16 02 09 to 16 02 13  |  |  |  |  |
| 06 02 15*  | hazardous components removed from discarded equipment   |  |  |  |  |
| 06 02 16   | components removed from discarded equipment other than those mentioned in 16 02 15  |  |  |  |  |
| 16 03  | off-specification batches and unused products   |  |  |  |  |
| 16 03 03*  | inorganic wastes containing dangerous substances  |  |  |  |  |
| 16 03 04   | inorganic wastes other than those mentioned in 16 03 03   |  |  |  |  |
| 16 03 05*  | organic wastes containing dangerous substances  |  |  |  |  |
|  |   |  |  |  |  |
| 16 03 06   | organic wastes other than those mentioned in 16 03 05   |  |  |  |  |
| 16 03 06<br><b>16 04</b>   | organic wastes other than those mentioned in 16 03 05 waste explosives  |  |  |  |  |
|  |   |  |  |  |  |
| 16 04  | waste explosives  |  |  |  |  |
| <b>16 04</b> 16 04 01*   | waste explosives waste ammunition   |  |  |  |  |
| <b>16 04</b> 16 04 01* 16 04 02*   | waste explosives waste ammunition fireworks wastes  |  |  |  |  |
| 16 04<br>16 04 01*<br>16 04 02*<br>16 04 03*   | waste explosives waste ammunition fireworks wastes other waste explosives   |  |  |  |  |
| 16 04<br>16 04 01*<br>16 04 02*<br>16 04 03*<br>16 05  | waste explosives waste ammunition fireworks wastes other waste explosives gases in pressure containers and discarded chemicals  |  |  |  |  |
| 16 04<br>16 04 01*<br>16 04 02*<br>16 04 03*<br>16 05<br>16 05 04*   | waste explosives waste ammunition fireworks wastes other waste explosives gases in pressure containers and discarded chemicals gases in pressure containers (including halons) containing dangerous substances  |  |  |  |  |
| 16 04<br>16 04 01*<br>16 04 02*<br>16 04 03*<br>16 05<br>16 05 04*<br>16 05 05                             | waste explosives waste ammunition fireworks wastes other waste explosives gases in pressure containers and discarded chemicals gases in pressure containers (including halons) containing dangerous substances gases in pressure containers other than those mentioned in 16 05 04 laboratory chemicals, consisting of or containing dangerous substances, including mixtures   |  |  |  |  |
| 16 04<br>16 04 01*<br>16 04 02*<br>16 04 03*<br>16 05<br>16 05 04*<br>16 05 05<br>16 05 06*                | waste explosives waste ammunition fireworks wastes other waste explosives gases in pressure containers and discarded chemicals gases in pressure containers (including halons) containing dangerous substances gases in pressure containers other than those mentioned in 16 05 04 laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals   |  |  |  |  |
| 16 04 16 04 01* 16 04 02* 16 04 03* 16 05 16 05 04* 16 05 06* 16 05 07*                                    | waste explosives waste ammunition fireworks wastes other waste explosives gases in pressure containers and discarded chemicals gases in pressure containers (including halons) containing dangerous substances gases in pressure containers other than those mentioned in 16 05 04 laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals discarded inorganic chemicals consisting of or containing dangerous substances  |  |  |  |  |
| 16 04 16 04 01* 16 04 02* 16 04 03* 16 05 16 05 04* 16 05 06* 16 05 07* 16 05 08*                          | waste explosives waste ammunition fireworks wastes other waste explosives gases in pressure containers and discarded chemicals gases in pressure containers (including halons) containing dangerous substances gases in pressure containers other than those mentioned in 16 05 04 laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals discarded inorganic chemicals consisting of or containing dangerous substances discarded organic chemicals consisting of or containing dangerous substances   |  |  |  |  |
| 16 04 16 04 01* 16 04 02* 16 04 03* 16 05 16 05 04* 16 05 06* 16 05 07* 16 05 08* 16 05 09                 | waste explosives waste ammunition fireworks wastes other waste explosives gases in pressure containers and discarded chemicals gases in pressure containers (including halons) containing dangerous substances gases in pressure containers other than those mentioned in 16 05 04 laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals discarded inorganic chemicals consisting of or containing dangerous substances discarded organic chemicals consisting of or containing dangerous substances discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08                            |  |  |  |  |
| 16 04 16 04 01* 16 04 02* 16 04 03* 16 05 16 05 04* 16 05 05 16 05 06*  16 05 07* 16 05 08* 16 05 09 16 06 | waste explosives waste ammunition fireworks wastes other waste explosives gases in pressure containers and discarded chemicals gases in pressure containers (including halons) containing dangerous substances gases in pressure containers other than those mentioned in 16 05 04 laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals discarded inorganic chemicals consisting of or containing dangerous substances discarded organic chemicals consisting of or containing dangerous substances discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08 batteries and accumulators |  |  |  |  |

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Hazardous components from electrical and electronic equipment may include accumulators and batteries mentioned in 16 06 and marked as hazardous; mercury switches, glass from cathode ray tubes and other activated glass, etc.

| 16 06 03* | mercury-containing batteries   |  |  |  |  |
|-----------|--|--|--|--|--|
| 16 06 04  | alkaline batteries (except 16 06 03)   |  |  |  |  |
| 16 06 05  | other batteries and accumulators   |  |  |  |  |
| 16 06 06* | separately collected electrolyte from batteries and accumulators   |  |  |  |  |
| 16 07     | wastes from transport tank, storage tank and barrel cleaning (except 05 and 13)                              |  |  |  |  |
| 16 07 08* | wastes containing oil  |  |  |  |  |
| 16 07 09* | wastes containing other dangerous substances   |  |  |  |  |
| 16 07 99  | wastes not otherwise specified   |  |  |  |  |
| 16 08     | spent catalysts  |  |  |  |  |
| 16 08 01  | spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinum (except $160807$ ) |  |  |  |  |
| 16 08 02* | spent catalysts containing dangerous transition metals (17) or dangerous transition metal compounds          |  |  |  |  |
| 16 08 03  | spent catalysts containing transition metals or transition metal compounds not otherwise specified           |  |  |  |  |
| 16 08 04  | spent fluid catalytic cracking catalysts (except 16 08 07)   |  |  |  |  |
| 16 08 05* | spent catalysts containing phosphoric acid   |  |  |  |  |
| 16 08 06* | spent liquids used as catalysts  |  |  |  |  |
| 16 08 07* | spent catalysts contaminated with dangerous substances   |  |  |  |  |
| 16 09     | oxidising substances   |  |  |  |  |
| 16 09 01* | permanganates, for example potassium permanganate  |  |  |  |  |
| 16 09 02* | chromates, for example potassium chromate, potassium or sodium dichromate                                    |  |  |  |  |
| 16 09 03* | peroxides, for example hydrogen peroxide   |  |  |  |  |
| 16 09 04* | oxidising substances, not otherwise specified  |  |  |  |  |
| 16 10     | aqueous liquid wastes destined for off-site treatment  |  |  |  |  |
| 16 10 01* | aqueous liquid wastes containing dangerous substances  |  |  |  |  |
| 16 10 02  | aqueous liquid wastes other than those mentioned in 16 10 01   |  |  |  |  |
| 16 10 03* | aqueous concentrates containing dangerous substances   |  |  |  |  |
| 16 10 04  | aqueous concentrates other than those mentioned in 16 10 03  |  |  |  |  |
| 16 11     | waste linings and refractories   |  |  |  |  |
| 16 11 01* | carbon-based linings and refractories from metallurgical processes containing dangerous substances           |  |  |  |  |
| 16 11 02  | carbon-based linings and refractories from metallurgical processes other than those                          |  |  |  |  |

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For the purpose of this entry, transition metals are: scandium, vanadium, manganese, cobalt, copper, yttrium, niobium, hafnium, tungsten, titanium, chromium, iron, nickel, zinc, zirconium, molybdenum and tantalum. These metals or their compounds are dangerous if they are classified as dangerous substances. The classification of dangerous substances shall determine which among those transition metals and which transition metal compounds are hazardous.

|           | mentioned in 16 11 01  |  |  |  |  |  |  |
|-----------|--|--|--|--|--|--|--|
| 16 11 03* | other linings and refractories from metallurgical processes containing dangerous substances                |  |  |  |  |  |  |
| 16 11 04  | other linings and refractories from metallurgical processes other than those mentioned in $16\ 11\ 03$     |  |  |  |  |  |  |
| 16 11 05* | linings and refractories from non-metallurgical processes containing dangerous substances                  |  |  |  |  |  |  |
| 16 11 06  | linings and refractories from non-metallurgical processes other than those mentioned in 16 11 05           |  |  |  |  |  |  |
| 17        | CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)                      |  |  |  |  |  |  |
| 17 01     | concrete, bricks, tiles and ceramics   |  |  |  |  |  |  |
| 17 01 01  | concrete   |  |  |  |  |  |  |
| 17 01 02  | bricks   |  |  |  |  |  |  |
| 17 01 03  | tiles and ceramics   |  |  |  |  |  |  |
| 17 01 06* | mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing dangerous substances |  |  |  |  |  |  |
| 17 01 07  | mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06                     |  |  |  |  |  |  |
| 17 02     | wood, glass and plastic  |  |  |  |  |  |  |
| 17 02 01  | wood   |  |  |  |  |  |  |
| 17 02 02  | glass  |  |  |  |  |  |  |
| 17 02 03  | plastic  |  |  |  |  |  |  |
| 17 02 04* | glass, plastic and wood containing or contaminated with dangerous substances                               |  |  |  |  |  |  |
| 17 03     | bituminous mixtures, coal tar and tarred products  |  |  |  |  |  |  |
| 17 03 01* | bituminous mixtures containing coal tar  |  |  |  |  |  |  |
| 17 03 02  | bituminous mixtures containing other than those mentioned in 17 03 01                                      |  |  |  |  |  |  |
| 17 03 03* | coal tar and tarred products   |  |  |  |  |  |  |
| 17 04     | metals (including their alloys)  |  |  |  |  |  |  |
| 17 04 01  | copper, bronze, brass  |  |  |  |  |  |  |
| 17 04 02  | aluminium  |  |  |  |  |  |  |
| 17 04 03  | lead   |  |  |  |  |  |  |
| 17 04 04  | zinc   |  |  |  |  |  |  |
| 17 04 05  | iron and steel   |  |  |  |  |  |  |
| 17 05 06  | tin  |  |  |  |  |  |  |
| 17 05 07  | mixed metals   |  |  |  |  |  |  |
| 17 05 09* | metal waste contaminated with dangerous substances   |  |  |  |  |  |  |
| 17 04 10* | cables containing oil, coal tar and other dangerous substances   |  |  |  |  |  |  |
| 17 04 11  | cables other than those mentioned in 17 04 10  |  |  |  |  |  |  |

| 17 05     | soil (including excavated soil from contaminated sites), stones and dredging spoil |  |  |  |  |
|-----------|--|--|--|--|--|
| 17 05 03* | soil and stones containing dangerous substances                                    |  |  |  |  |
| 17 05 04  | soil and stones other than those mentioned in 17 05 03                             |  |  |  |  |
| 17 05 05* | dredging spoil containing dangerous substances                                     |  |  |  |  |
| 17 05 06  | dredging spoil other than those mentioned 17 05 05                                 |  |  |  |  |
| 17 05 07* | track ballast containing dangerous substances                                      |  |  |  |  |
| 17 05 08  | track ballast other than those mentioned in 17 05 07                               |  |  |  |  |
| 17 06     | insulation materials and asbestos-containing construction materials                |  |  |  |  |
| 17 06 01* | insulation materials containing asbestos   |  |  |  |  |
| 17 06 03* | other insulation materials consisting of or containing dangerous substances        |  |  |  |  |
| 17 06 04  | insulation materials other than those mentioned in $17\ 06\ 01$ and $17\ 06\ 03$   |  |  |  |  |
| 17 06 05* | construction materials containing asbestos (1809 0 TD0 Tc21.7857                   |  |  |  |  |

|  | prevent infection (for example dressings, plaster casts, linen, disposable clothing, diaper-  |  |  |  |  |
|--|---|--|--|--|--|
| 18 01 06*  | Chemicals consisting of or containing dangerous substances  |  |  |  |  |
| 18 01 07   | Chemicals other than those mentioned in 18 01 06  |  |  |  |  |
| 18 01 08*  | Cytotoxic and cytostatic medicines  |  |  |  |  |
| 18 01 09   | Medicines other than those mentioned in 18 01 08  |  |  |  |  |
| 18 01 10*  | amalgam waste from dental care  |  |  |  |  |
| 18 02  | wastes from research, diagnosis, treatment or prevention of disease involving animals   |  |  |  |  |
| 18 02 01   | sharps except (18 02 02)  |  |  |  |  |
| 18 02 02*  | wastes whose collection and disposal is subject to special requirements in order to prevent infection   |  |  |  |  |
| 18 02 03   | wastes whose collection and disposal is not subject to special requirements in order to prevent infection   |  |  |  |  |
| 18 02 05*  | chemicals consisting of or containing dangerous substances  |  |  |  |  |
| 18 02 06   | chemicals other than those mentioned in 18 02 05  |  |  |  |  |
| 18 02 07*  | cytotoxic and cytostatic medicines  |  |  |  |  |
| 18 02 08   | medicines other than those mentioned in 18 02 07  |  |  |  |  |
| 19   | WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE   |  |  |  |  |
|  | WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE   |  |  |  |  |
| 19 01  | WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL   |  |  |  |  |
| <b>19 01</b><br>19 01 02   | WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE   |  |  |  |  |
|  | WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE  wastes from incineration or pyrolysis of waste   |  |  |  |  |
| 19 01 02   | WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE  wastes from incineration or pyrolysis of waste  ferrous materials removed from bottom ash  |  |  |  |  |
| 19 01 02<br>19 01 05*  | WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE  wastes from incineration or pyrolysis of waste  ferrous materials removed from bottom ash  filter cake from gas treatment  |  |  |  |  |
| 19 01 02<br>19 01 05*<br>19 02 06*   | WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE  wastes from incineration or pyrolysis of waste  ferrous materials removed from bottom ash  filter cake from gas treatment  aqueous liquid wastes from gas treatment and other aqueous liquid wastes  |  |  |  |  |
| 19 01 02<br>19 01 05*<br>19 02 06*<br>19 01 07*  | WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE  wastes from incineration or pyrolysis of waste  ferrous materials removed from bottom ash  filter cake from gas treatment  aqueous liquid wastes from gas treatment and other aqueous liquid wastes  solid wastes from gas treatment   |  |  |  |  |
| 19 01 02<br>19 01 05*<br>19 02 06*<br>19 01 07*<br>19 01 10*   | WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE  wastes from incineration or pyrolysis of waste  ferrous materials removed from bottom ash  filter cake from gas treatment  aqueous liquid wastes from gas treatment and other aqueous liquid wastes  solid wastes from gas treatment  spent activated carbon from flue-gas treatment   |  |  |  |  |
| 19 01 02<br>19 01 05*<br>19 02 06*<br>19 01 07*<br>19 01 10*<br>19 01 11*                                      | WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE  wastes from incineration or pyrolysis of waste  ferrous materials removed from bottom ash  filter cake from gas treatment  aqueous liquid wastes from gas treatment and other aqueous liquid wastes  solid wastes from gas treatment  spent activated carbon from flue-gas treatment  bottom ash and slag containing dangerous substances  |  |  |  |  |
| 19 01 02<br>19 01 05*<br>19 02 06*<br>19 01 07*<br>19 01 10*<br>19 01 11*<br>19 01 12                          | WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE  wastes from incineration or pyrolysis of waste  ferrous materials removed from bottom ash  filter cake from gas treatment  aqueous liquid wastes from gas treatment and other aqueous liquid wastes  solid wastes from gas treatment  spent activated carbon from flue-gas treatment  bottom ash and slag containing dangerous substances  bottom ash and slag other than those mentioned in 19 01 11  |  |  |  |  |
| 19 01 02<br>19 01 05*<br>19 02 06*<br>19 01 07*<br>19 01 10*<br>19 01 11*<br>19 01 12<br>19 01 13*             | WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE  wastes from incineration or pyrolysis of waste  ferrous materials removed from bottom ash  filter cake from gas treatment  aqueous liquid wastes from gas treatment and other aqueous liquid wastes  solid wastes from gas treatment  spent activated carbon from flue-gas treatment  bottom ash and slag containing dangerous substances  bottom ash and slag other than those mentioned in 19 01 11  fly ash containing dangerous substances   |  |  |  |  |
| 19 01 02<br>19 01 05*<br>19 02 06*<br>19 01 07*<br>19 01 10*<br>19 01 11*<br>19 01 12<br>19 01 13*<br>19 01 14 | WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE  wastes from incineration or pyrolysis of waste  ferrous materials removed from bottom ash  filter cake from gas treatment  aqueous liquid wastes from gas treatment and other aqueous liquid wastes  solid wastes from gas treatment  spent activated carbon from flue-gas treatment  bottom ash and slag containing dangerous substances  bottom ash and slag other than those mentioned in 19 01 11  fly ash containing dangerous substances  fly ash other than those mentioned in 19 01 13 |  |  |  |  |

| 19 01 18  | pyrolysis wastes other than those mentioned in 19 01 17  |  |  |  |  |  |
|-----------|--|--|--|--|--|--|
| 19 01 19  | sands from fluidised beds  |  |  |  |  |  |
| 19 01 99  | wastes not otherwise specified   |  |  |  |  |  |
| 19 02     | wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation) |  |  |  |  |  |
| 19 02 03  | premixed wastes composed only of non-hazardous wastes  |  |  |  |  |  |
| 19 02 04* | premixed wastes composed of at least one hazardous waste   |  |  |  |  |  |
| 19 02 05* | sludges from physico/chemical treatment containing dangerous substances                                    |  |  |  |  |  |
| 19 02 06  | sludges from physico/chemical treatment other than those mentioned in 19 02 05                             |  |  |  |  |  |
| 19 02 07* | oil and concentrates from separation   |  |  |  |  |  |
| 19 02 08* | liquid combustible wastes containing dangerous substances  |  |  |  |  |  |
| 19 02 09* | solid combustible wastes containing dangerous substances   |  |  |  |  |  |
| 19 02 10  | combustible wastes other than those mentioned in 19 02 08 and 19 02 09                                     |  |  |  |  |  |
| 19 02 11* | other wastes containing dangerous substances   |  |  |  |  |  |
| 19 02 99  | wastes not otherwise specified   |  |  |  |  |  |
| 19 03     | stabilised/solidified wastes (19)  |  |  |  |  |  |
| 19 03 04* | wastes marked as hazardous, partly (20) stabilised   |  |  |  |  |  |
| 19 03 05  | stabilised wastes other than those mentioned in 19 03 04   |  |  |  |  |  |
| 19 03 06* | wastes marked as hazardous, solidified   |  |  |  |  |  |
| 19 03 07  | solidified wastes other than those mentioned in 19 03 06   |  |  |  |  |  |
| 19 04     | vitrified waste and wastes from vitrification  |  |  |  |  |  |
| 19 04 01  | vitrified waste  |  |  |  |  |  |
| 19 04 02* | fly ash and other flue-gas treatment wastes  |  |  |  |  |  |
| 19 04 03* | non-vitrified solid phase  |  |  |  |  |  |
| 19 04 04  | aqueous liquid wastes from vitrified waste tempering   |  |  |  |  |  |

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Stabilisation processes change the dangerousness of the constituents in the waste and thus transform hazardous waste into non-hazardous waste. Solidification processes only change the physical state of the waste (e.g. liquid into solid) by using additives without changing the chemical properties of the waste.

<sup>&</sup>lt;sup>20</sup> A waste is considered as partly stabilised if, after the stabilisation process, dangerous constituents which have not been changed completely into non-dangerous constituents could be released into the environment in the short, middle or long term.

| 19 05   | wastes from aerobic treatment of solid wastes  |  |  |  |  |
|---|--|--|--|--|--|
| 19 05 01  | non-composted fraction of municipal and similar wastes   |  |  |  |  |
| 19 05 02  | non-composted fraction of animal and vegetable waste   |  |  |  |  |
| 19 05 03  | off-specification compost  |  |  |  |  |
| 19 05 99  | wastes not otherwise specified   |  |  |  |  |
| 19 06   | wastes from anaerobic treatment of waste   |  |  |  |  |
| 19 06 03  | liquor from anaerobic treatment of municipal waste   |  |  |  |  |
| 19 06 04  | digestate from anaerobic treatment of municipal waste  |  |  |  |  |
| 19 06 05  | liquor from anaerobic treatment of animal and vegetable waste  |  |  |  |  |
| 19 06 06  | digestate from anaerobic treatment of animal and vegetable waste   |  |  |  |  |
| 19 06 99  | wastes not otherwise specified   |  |  |  |  |
| 19 07   | landfill leachate  |  |  |  |  |
| 19 07 02*                                       | landfill leachate containing dangerous substances  |  |  |  |  |
| 19 07 03  | landfill leachate other than those mentioned in 19 07 02   |  |  |  |  |
| 19 08   | wastes from waste water treatment plants not otherwise specified   |  |  |  |  |
| 19 08 01  | screenings   |  |  |  |  |
| 19 08 02  |  |  |  |  |  |
| 19 08 02  | waste from desanding   |  |  |  |  |
| 19 08 02  | waste from desanding sludges from treatment of urban waste water   |  |  |  |  |
|   |  |  |  |  |  |
| 19 08 05  | sludges from treatment of urban waste water  |  |  |  |  |
| 19 08 05<br>19 08 06*                           | sludges from treatment of urban waste water saturated or spent ion exchange resins   |  |  |  |  |
| 19 08 05<br>19 08 06*<br>19 08 07*              | sludges from treatment of urban waste water saturated or spent ion exchange resins solutions and sludges from regeneration of ion exchangers   |  |  |  |  |
| 19 08 05<br>19 08 06*<br>19 08 07*<br>19 08 08* | sludges from treatment of urban waste water saturated or spent ion exchange resins solutions and sludges from regeneration of ion exchangers membrane system waste containing heavy metals |  |  |  |  |

| 19 09     | wastes from the preparation of water intended for human consumption or water for industrial use                                |  |  |  |  |
|-----------|--|--|--|--|--|
| 19 09 01  | solid waste from primary filtration and screenings   |  |  |  |  |
| 19 09 02  | cludges from water clarification   |  |  |  |  |
| 19 09 03  | ludges from decarbonation  |  |  |  |  |
| 19 09 04  | spent activated carbon   |  |  |  |  |
| 19 09 05  | saturated or spent ion exchange resins   |  |  |  |  |
| 19 09 06  | solutions and sludges from regeneration of ion exchangers  |  |  |  |  |
| 19 09 99  | wastes not otherwise specified   |  |  |  |  |
| 19 10     | wastes from shredding of metal-containing wastes   |  |  |  |  |
| 19 10 01  | iron and steel waste   |  |  |  |  |
| 19 10 02  | non-ferrous waste  |  |  |  |  |
| 19 10 03* | fluff-light fraction and dust containing dangerous substances  |  |  |  |  |
| 19 10 04  | fluff-light fraction and dust other than those mentioned in 19 10 03   |  |  |  |  |
| 19 10 05* | other fractions containing dangerous substances  |  |  |  |  |
| 19 10 06  | other fractions other than those mentioned in 19 10 05   |  |  |  |  |
| 19 11     | wastes from oil regeneration   |  |  |  |  |
| 19 11 01* | spent filter clays   |  |  |  |  |
| 19 11 02* | acid tars  |  |  |  |  |
| 19 11 03* | aqueous liquid wastes  |  |  |  |  |
| 19 11 04* | wastes from cleaning of fuel with bases  |  |  |  |  |
| 19 11 05* | sludges from on-site effluent treatment containing dangerous substances  |  |  |  |  |
| 19 11 06  | sludges from on-site effluent treatment other than those mentioned in 19 11 05   |  |  |  |  |
| 19 11 07* | wastes from flue-gas cleaning  |  |  |  |  |
| 19 11 99  | wastes not otherwise specified   |  |  |  |  |
| 19 12     | wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified |  |  |  |  |
| 19 12 01  | paper and cardboard  |  |  |  |  |
| 19 12 02  | ferrous metal  |  |  |  |  |
| 19 12 03  | non-ferrous metal  |  |  |  |  |

| 19 12 04  | plastic and rubber  |  |  |  |  |
|-----------|---|--|--|--|--|
| 19 12 05  | glass   |  |  |  |  |
| 19 12 06* | wood containing dangerous substances  |  |  |  |  |
| 19 12 07  | wood other than that mentioned in 19 12 06  |  |  |  |  |
| 19 12 08  | textiles  |  |  |  |  |
| 19 12 09  | minerals (for example sand, stones)   |  |  |  |  |
| 19 12 10  | combustible waste (refuse derived fuel)   |  |  |  |  |
| 19 12 11* | other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances                       |  |  |  |  |
| 19 12 12  | other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11               |  |  |  |  |
| 19 13     | wastes from soil and groundwater remediation  |  |  |  |  |
| 19 13 01* | solid wastes from soil remediation containing dangerous substances  |  |  |  |  |
| 19 13 02  | solid wastes from soil remediation other than those mentioned in 19 13 01   |  |  |  |  |
| 19 13 03* | sludges from soil remediation containing dangerous substances   |  |  |  |  |
| 19 13 04  | sludges from soil remediation other than those mentioned in 19 13 03  |  |  |  |  |
| 19 13 05* | sludges from groundwater remediation containing dangerous substances  |  |  |  |  |
| 19 13 06  | sludges from groundwater remediation other than those mentioned in 19 13 05   |  |  |  |  |
| 19 13 07* | aqueous liquid wastes and aqueous concentrates from groundwater remediation containing dangerous substances                             |  |  |  |  |
| 19 13 08  | aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those mentioned in 19 13 07                      |  |  |  |  |
|           |   |  |  |  |  |
| 20        | MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS |  |  |  |  |
| 20 01     | separately collected fractions (except 15 01)   |  |  |  |  |
| 20 01 01  | paper and cardboard   |  |  |  |  |
| 20 01 02  | glass   |  |  |  |  |
| 20 01 08  | biodegradable kitchen and canteen waste   |  |  |  |  |
| 20 01 10  | clothes   |  |  |  |  |
| 20 01 11  | textiles  |  |  |  |  |

| 20 01 13* | solvents   |
|-----------|--|
| 20 01 14* | acids  |
| 20 01 15* | alkalines  |
| 20 01 17* | photochemicals   |
| 20 01 19* | pesticides   |
| 20 01 21* | fluorescent tubes and other mercury-containing waste   |
| 20 01 23* | discarded equipment containing chlorofluorocarbons   |
| 20 01 25  | edible oil and fat   |
| 20 01 26* | oil and fat other than those mentioned in 20 01 25   |
| 20 01 27* | paint, inks, adhesives and resins containing dangerous substances  |
| 20 01 28  | paint, inks, adhesives and resins other than those mentioned in 20 01 27   |
| 20 01 29* | detergents containing dangerous substances   |
| 20 01 30  | detergents other than those mentioned in 20 01 29  |
| 20 01 31* | cytotoxic and cytostatic medicines   |
| 20 01 32  | medicines other than those mentioned in 20 01 31   |
| 20 01 33* | batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries         |
| 20 01 34  | batteries and accumulators other than those mentioned in 20 01 33  |
| 20 01 35* | discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components $\binom{21}{}$ |
| 20 01 36  | discarded electrical and electronic equipment other than those mentioned in $20\ 01\ 21,\ 20\ 01\ 23$ and $20\ 01\ 35$                           |
| 20 01 37* | wood containing dangerous substances   |
| 20 01 38  | wood other than that mentioned in 20 01 37   |
| 20 01 39  | plastics   |
| 20 01 40  | metals   |
| 20 01 41  | wastes from chimney sweeping   |
| 20 01 99  | other fractions not otherwise specified  |

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<sup>&</sup>lt;sup>21</sup> Hazardous components from electrical and electronic equipment may include accumulators and batteries mentioned in 16 06 and marked as hazardous; mercury switches, glass from cathode ray tubes and other activated glass etc.

## **USER COMMENT FORM**

Completed forms to be forwarded to:

## **European Waste Catalogue and Hazardous Waste List**

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