



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

**Valid from 1 January 2002**





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**Environmental Protection Agency**  
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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>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>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>3</sup> Waste Catalogue and Hazardous Waste List, EPA, 1996.

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

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

<sup>7</sup> Council 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](http://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.irlegov.ie](http://www.irlegov.ie)).

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

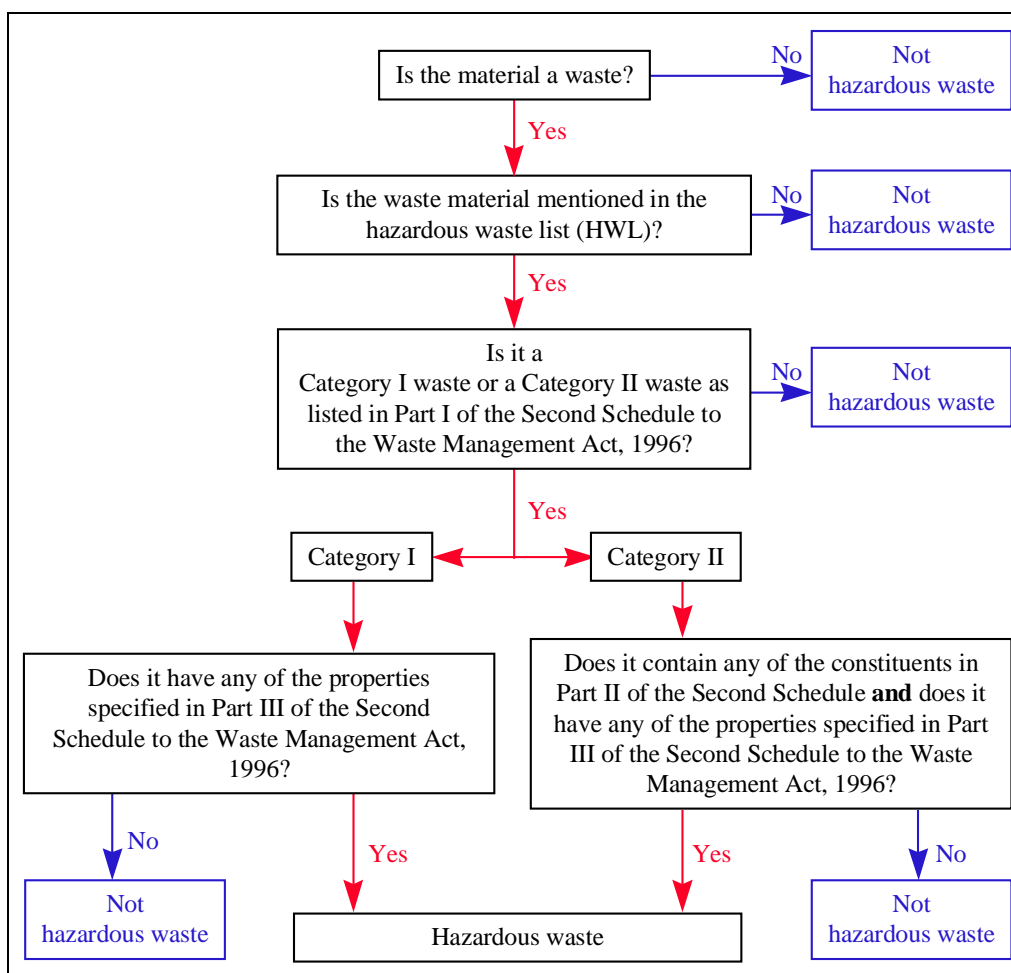
## Definition of hazardous waste

### *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  $\leq$  (less than or equal to) 55 °C,
- one or more substances classified<sup>10</sup> as very toxic at a total concentration  $\geq 0.1\%$
- one or more substances classified as toxic at a total concentration  $\geq 3\%$
- 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  $\geq 1\%$
- one or more corrosive substances classified as R34 at a total concentration  $\geq 5\%$
- one or more irritant substances classified as R41 at a total concentration  $\geq 10\%$
- one or more irritant substances classified as R36, R37, R38 at a total concentration  $\geq 20\%$
- 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<sup>9</sup> of category 1 or 2 classified as R60, R61 at a concentration  $\geq 0.5\%$
- one substance toxic for reproduction of category 3 classified as R62, R63 at a concentration  $\geq 5\%$
- one mutagenic substance of 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  $\geq 1\%$

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

Annex III

PROPERTIES OF WASTES WHICH RENDER THEM HAZARDOUS

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<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.

<sup>10</sup> 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'<sup>9</sup>: 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

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

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

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

- |    |   |
|----|---|
| 01 | Wastes resulting from exploration, mining, quarrying, physical and chemical treatment of minerals   |
| 02 | Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing  |
| 03 | Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard   |
| 04 | Wastes from the leather, fur and textile industries   |
| 05 | Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal  |
| 06 | Wastes from inorganic chemical processes  |
| 07 | Wastes from organic chemical processes  |
| 08 | 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   |
| 11 | 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  |
| 13 | Oil wastes and wastes of liquid fuels (except edible oils, 05 and 12)   |
| 14 | Waste organic solvents, refrigerants and propellants (except 07 and 08)   |
| 15 | Waste packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified  |
| 16 | Wastes not otherwise specified in the list  |
| 17 | Construction and demolition wastes (including excavated soil from contaminated sites)   |
| 18 | Wastes from human or animal health care and/or related research (except kitchen and restaurant wastes not arising from immediate health care)                           |
| 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 |
| 20 | 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**
- 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 tobacco 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
<b>02 06</b>	<b>wastes from the baking and confectionery industry</b>
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
<b>02 07</b>	<b>wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)</b>
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
<b>03</b>	<b>WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD</b>
<b>03 01</b>	<b>wastes from wood processing and the production of panels and furniture</b>
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
<b>03 02</b>	<b>wastes from wood preservation</b>
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
<b>03 03</b>	<b>wastes from pulp, paper and cardboard production and processing</b>
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

- 03 03 08 wastes from sorting of paper and cardboard destined for recycling
- 03 03 09 lime mud waste
- 03 03 10 fibre rejects, fibre-, filler- and coating-sludges from mechanical separation
- 03 03 11 sludges from on-site effluent treatment other than those mentioned in 03 03 10
- 03 03 99 wastes not otherwise specified

**04 WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES**

**04 01 wastes from the leather and fur industry**

- 04 01 01 fleshings and lime split wastes
- 04 01 02 liming waste
- 04 01 03\* degreasing wastes containing solvents without a liquid phase
- 04 01 04 tanning liquor containing chromium
- 04 01 05 tanning liquor free of chromium
- 04 01 06 sludges, in particular from on-site effluent treatment containing chromium
- 04 01 07 sludges , in particular from on-site effluent treatment free of chromium
- 04 01 08 waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium
- 04 01 09 wastes from dressing and finishing
- 04 01 99 wastes not otherwise specified

**04 02 wastes from the textile industry**

- 04 02 09 wastes from composite materials (impregnated textile, elastomer, plastomer)
- 04 02 10 organic matter from natural products (for example grease, wax)
- 04 02 14\* wastes from finishing containing organic solvents
- 04 02 15 wastes from finishing other than those mentioned in 04 02 14
- 04 02 16\* dyestuffs and pigments containing dangerous substances
- 04 02 17 dyestuffs and pigments other than those mentioned in 04 02 16
- 04 02 19\* sludges from on-site effluent treatment containing dangerous substances
- 04 02 20 sludges from on-site effluent treatment other than those mentioned in 04 02 19
- 04 02 21 wastes from unprocessed textile fibres
- 04 02 22 wastes from processed textile fibres
- 04 02 99 wastes not otherwise specified

**05 WASTES FROM PETROLEUM REFINING, NATURAL GAS PURIFICATION AND PYROLYTIC TREATMENT OF COAL**

**05 01 wastes from petroleum refining**

- 05 01 02\* desalter sludges

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
<b>05 06</b>	<b>waste from the pyrolytic treatment of coal</b>
05 06 01*	acid tars
05 06 03*	other tars
05 06 04	waste from cooling columns
05 06 99	wastes not otherwise specified
<b>05 07</b>	<b>waste from natural gas purification and transportation</b>
05 07 01*	wastes containing mercury
05 07 02	wastes containing sulphur
05 07 99	wastes not otherwise specified
<b>06</b>	<b>WASTES FROM INORGANIC CHEMICAL PROCESSES</b>
<b>06 01</b>	<b>wastes from the manufacture, formulation, supply and use (MFSU) of acids</b>
06 01 01*	sulphuric acid and sulphurous acid
06 01 02*	hydrochloric acid
06 01 03*	hydrochloric acid
06 01 04*	phosphoric and phosphorous acid
06 01 05*	nitric acid and nitrous acid
06 01 06*	other acids
06 01 99	wastes not otherwise specified

<b>06 02</b>	<b>wastes from the MFSU of bases</b>
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
<b>06 03</b>	<b>wastes from the MFSU of salts and their solutions and metallic oxides</b>
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
<b>06 04</b>	<b>metal-containing wastes other than those mentioned in 06 03</b>
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
<b>06 05</b>	<b>sludges from on-site effluent treatment</b>
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
<b>06 06</b>	<b>wastes from the MFSU of sulphur chemicals, sulphur chemical processes and desulphurisation processes</b>
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
<b>06 07</b>	<b>wastes from the MFSU of halogens and halogen chemical processes</b>
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
<b>06 08</b>	<b>wastes from the MFSU of silicon and silicon derivatives</b>
06 08 02*	waste containing dangerous silicones
06 08 99	wastes not otherwise specified
<b>06 09</b>	<b>wastes from the MFSU of phosphorus chemicals and phosphorous chemical processes</b>

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

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
<b>07 03</b>	<b>wastes from the MFSU of organic dyes and pigments (except 06 11)</b>
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
<b>07 04</b>	<b>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</b>
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 liquors
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

<b>07 05</b>	<b>wastes from the MFSU of pharmaceuticals</b>
07 05 01*	aqueous washing liquids and mother liquors
07 05 03*	organic halogenated solvents, washing liquids and mother liquors
07 05 04*	other organic solvents, washing liquids and mother liquors
07 05 07*	halogenated still bottoms and reaction residues
07 05 08*	other still bottoms and reaction residues
07 05 09*	halogenated filter cakes and spent absorbents
07 05 10*	other filter cakes and spent absorbents
07 05 11*	sludges from on-site effluent treatment containing dangerous substances
07 05 12	sludges from on-site effluent treatment other than those mentioned in 07 05 11
07 05 13*	solid wastes containing dangerous substances
07 05 14	solid wastes other than those mentioned in 07 05 13
07 05 99	wastes not otherwise specified
<b>07 06</b>	<b>wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics</b>
07 06 01*	aqueous washing liquids and mother liquors
07 06 03*	organic halogenated solvents, washing liquids and mother liquors
07 06 04*	other organic solvents, washing liquids and mother liquors
07 06 07*	halogenated still bottoms and reaction residues
07 06 08*	other sill bottoms and reaction residues
07 06 09*	halogenated filter cakes and spent absorbents
07 06 10*	other filter cakes and spent absorbents
07 06 11*	sludges from on-site effluent treatment containing dangerous substances
07 06 12	sludges from on-site effluent treatment other than those mentioned in 07 06 11
07 06 99	wastes not otherwise specified
<b>07 07</b>	<b>wastes from the MFSU of fine chemicals and chemical products not otherwise specified</b>
07 07 01*	aqueous washing liquids and mother liquors
07 07 03*	organic halogenated solvents, washing liquids and mother liquors
07 07 04*	other organic solvents, washing liquids and mother liquors
07 07 07*	halogenated still bottoms and reaction residues
07 07 08*	other still bottoms and reaction residues
07 07 09*	halogenated filter cakes and spent absorbents
07 07 10*	other filter cakes and spent sbsorbents
07 07 11*	sludges from on-site effluent treatment containing dangerous substances
07 07 12	sludges from on-site effluent treatment other than those mentioned in 07 07 11
07 07 99	wastes not otherwise specified

**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	sludges 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 10 01 22
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
<b>10 02</b>	<b>wastes from the iron and steel industry</b>
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
<b>10 03</b>	<b>wastes from aluminium thermal metallurgy</b>
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 10 03 17
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
<b>10 04</b>	<b>wastes from lead thermal metallurgy</b>
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
<b>10 05</b>	<b>wastes from zinc thermal metallurgy</b>
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
<b>10 06</b>	<b>wastes from copper thermal metallurgy</b>
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
<b>10 07</b>	<b>wastes from silver, gold and platinum thermal metalurgy</b>
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
<b>10 08</b>	<b>wastes from other non-ferous thermal metallurgy</b>
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 quantities
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
<b>10 09</b>	<b>wastes from casting of ferrous pieces</b>
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
<b>10 10</b>	<b>wastes from casting of non-ferrous pieces</b>
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 10 10 05
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 10 10 07
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
<b>10 11</b>	<b>wastes from manufacture of glass and glass products</b>
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 10 11 09
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
<b>10 12</b>	<b>wastes from manufacture of ceramic goods, bricks, tiles and construction products</b>
10 12 01	waste preparation mixture before thermal processing
10 12 03	particulates and dust
10 12 05	sludges and filter cakes from gas treatment
10 12 06	discarded moulds
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
10 12 09*	solid wastes from gas treatment containing dangerous substances
10 12 10	solid wastes from gas treatment other than those mentioned in 10 12 09
10 12 11*	wastes from glazing containing heavy metals
10 12 12	wastes from glazing other than those mentioned in 10 12 11

- 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 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, phosphating, alkaline degreasing, anodising)**
- 11 01 05\* pickling acids
- 11 01 06\* acids not otherwise specified
- 11 01 07\* pickling bases
- 11 01 08\* phosphatising sludges
- 11 01 09\* sludges and filter cakes containing dangerous substances
- 11 01 10 sludges and filter cakes other than those mentioned in 11 01 09
- 11 01 11\* aqueous rinsing liquids containing dangerous substances
- 11 01 12 aqueous rinsing liquids other than those mentioned in 11 01 11
- 11 01 13\* degreasing wastes containing dangerous substances
- 11 01 14 degreasing wastes other than those mentioned in 11 01 13
- 11 01 15\* eluate and sludges from membrane systems or ion exchange systems containing dangerous substances
- 11 01 16\* saturated or spent ion exchange resins
- 11 01 98\* other wastes containing dangerous substances

- 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 01 wastes from shaping and physical and mechanical surface treatment of metals and plastics**
- 12 01 01 ferrous metal filings and turnings
- 12 01 02 ferrous metal dust and particles
- 12 01 03 non-ferrous metal filings and turnings
- 12 01 04 non-ferrous metal dust and particles
- 12 01 05 plastics shavings and turnings
- 12 01 06\* mineral-based machining oils containing halogens (except emulsions and solutions)
- 12 01 07\* mineral-based machining oils free of halogens (except emulsions and solutions)
- 12 01 08\* machining emulsions and solutions containing halogens
- 12 01 09\* machining emulsions and solutions free of halogens
- 12 01 10\* synthetic machining oils
- 12 01 12\* spent waxes and fats
- 12 01 13 welding wastes
- 12 01 14\* machining sludges containing dangerous substances
- 12 01 15 machining sludges other than those mentioned in 12 01 14

- 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 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)**
- 13 01 waste hydraulic oils**
- 13 01 01\* hydraulic oils, containing PCBs <sup>(15)</sup>
- 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

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

- 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
<b>15 02</b>	<b>absorbents, filter materials, wiping cloths and protective clothing</b>
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
<b>16</b>	<b>WASTES NOT OTHERWISE SPECIFIED IN THE LIST</b>
<b>16 01</b>	<b>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)</b>
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
<b>16 02</b>	<b>wastes from electrical and electronic equipment</b>
16 02 09*	transformers and capacitors containing PCBs
16 02 10*	discarded equipment containing or contaminated by PCBs other than those mentioned in 16 02 09
16 02 11*	discarded equipment containing chlorofluorocarbons, HCFC, HFC
16 02 12*	discarded equipment containing free asbestos
16 02 13*	discarded equipment containing hazardous components ( <sup>16</sup> ) other than those mentioned in 16 02 09 to 16 02 12
16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 02 15*	hazardous components removed from discarded equipment
16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15
<b>16 03</b>	<b>off-specification batches and unused products</b>
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
<b>16 04</b>	<b>waste explosives</b>
16 04 01*	waste ammunition
16 04 02*	fireworks wastes
16 04 03*	other waste explosives
<b>16 05</b>	<b>gases in pressure containers and discarded chemicals</b>
16 05 04*	gases in pressure containers (including halons) containing dangerous substances
16 05 05	gases in pressure containers other than those mentioned in 16 05 04
16 05 06*	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals
16 05 07*	discarded inorganic chemicals consisting of or containing dangerous substances
16 05 08*	discarded organic chemicals consisting of or containing dangerous substances
16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08
<b>16 06</b>	<b>batteries and accumulators</b>
16 06 01*	lead batteries
16 06 02*	Ni-Cd batteries

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<sup>16</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.

- 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 16 08 07)
- 16 08 02\* spent catalysts containing dangerous transition metals (<sup>17</sup>) 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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<sup>17</sup> 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 04 06 tin
- 17 04 07 mixed metals
- 17 04 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 <sup>(18)</sup>
- 17 08 gypsum-based construction material**
- 17 08 01\* gypsum-based construction materials contaminated with dangerous substances
- 17 08 02 gypsum-based construction materials other than those mentioned in 17 08 01
- 17 09 other construction and demolition waste**
- 17 09 01\* construction and demolition wastes containing mercury
- 17 09 02\* construction and demolition wastes containing pcb (for example pcb-containing sealants, pcb-containing resin-based floorings, pcb-containing sealed glazing units, pcb-containing capacitors)
- 17 09 03\* other construction and demolition wastes (including mixed wastes) containing dangerous substances
- 17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
- 18 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care)**
- 18 01 Wastes from natal care, diagnosis, treatment or prevention of disease in humans**
- 18 01 01 Sharps (except 18 01 03)
- 18 01 02 Body parts and organs including blood bags and blood preserves (except 18 01 03)
- 18 01 03\* Wastes whose collection and disposal is subject to special requirements in order to prevent infection
- 18 01 04 Wastes whose collection and disposal is not subject to special requirements in order to

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<sup>18</sup> As far as the landfilling of waste is concerned, Member States may decide to postpone the entry into force of this entry until the establishment of appropriate measures for the treatment and disposal of waste from construction material containing asbestos. These measures are to be established according to the procedure referred to in Article 16 of Council Directive 1999/31/EC on the landfill of waste (OJ L 182, 16.7.1999, p.1) and shall be adopted by 16 July 2002 at the latest.

- prevent infection (for example dressings, plaster casts, linen, disposable clothing, diapers)
- 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 wastes from incineration or pyrolysis of waste**
- 19 01 02 ferrous materials removed from bottom ash
- 19 01 05\* filter cake from gas treatment
- 19 02 06\* aqueous liquid wastes from gas treatment and other aqueous liquid wastes
- 19 01 07\* solid wastes from gas treatment
- 19 01 10\* spent activated carbon from flue-gas treatment
- 19 01 11\* bottom ash and slag containing dangerous substances
- 19 01 12 bottom ash and slag other than those mentioned in 19 01 11
- 19 01 13\* fly ash containing dangerous substances
- 19 01 14 fly ash other than those mentioned in 19 01 13
- 19 01 15\* boiler dust containing dangerous substances
- 19 01 16 boiler dust other than those mentioned in 19 01 15
- 19 01 17\* pyrolysis wastes containing dangerous substances

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
<b>19 02</b>	<b>wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)</b>
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
<b>19 03</b>	<b>stabilised/solidified wastes <sup>(19)</sup></b>
19 03 04*	wastes marked as hazardous, partly <sup>(20)</sup> 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
<b>19 04</b>	<b>vitrified waste and wastes from vitrification</b>
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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<sup>19</sup> 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>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.

<b>19 05</b>	<b>wastes from aerobic treatment of solid wastes</b>
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
<b>19 06</b>	<b>wastes from anaerobic treatment of waste</b>
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
<b>19 07</b>	<b>landfill leachate</b>
19 07 02*	landfill leachate containing dangerous substances
19 07 03	landfill leachate other than those mentioned in 19 07 02
<b>19 08</b>	<b>wastes from waste water treatment plants not otherwise specified</b>
19 08 01	screenings
19 08 02	waste from desanding
19 08 05	sludges from treatment of urban waste water
19 08 06*	saturated or spent ion exchange resins
19 08 07*	solutions and sludges from regeneration of ion exchangers
19 08 08*	membrane system waste containing heavy metals
19 08 09	grease and oil mixture from oil/water separation containing only edible oil and fats
19 08 10*	grease and oil mixture from oil/water separation other than those mentioned in 19 08 09
19 08 11*	sludges containing dangerous substances from biological treatment of industrial waste water
19 08 12	sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
19 08 13*	sludges containing dangerous substances from other treatment of industrial waste water
19 08 14	sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
19 08 99	wastes not otherwise specified

**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 sludges from water clarification
- 19 09 03 sludges 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
<b>19 13</b>	<b>wastes from soil and groundwater remediation</b>
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
<b>20</b>	<b>MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS</b>
<b>20 01</b>	<b>separately collected fractions (except 15 01)</b>
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 <sup>(21)</sup>
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>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.

**20 02 garden and park wastes (including cemetery waste)**

20 02 01 biodegradable waste

20 02 02 soil and stones

20 02 03 other non-biodegradable wastes

**20 03 other municipal wastes**

20 03 01 mixed municipal waste

20 03 02 waste from markets

20 03 03 street-cleaning residues

20 03 04 septic tank sludge

20 03 06 waste from sewage cleaning

20 03 07 bulky waste

20 03 99 municipal wastes not otherwise specified

# USER COMMENT FORM

Completed forms to be forwarded to:

**European Waste Catalogue and Hazardous Waste List**

Environmental Protection Agency

PO Box 3000

Johnstown Castle Estate

County Wexford

Ireland

Fax: 053 60699

E-mail: [info@epa.ie](mailto:info@epa.ie)      Web: [www.epa.ie](http://www.epa.ie)

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