European Waste Catalogue and Hazardous Waste List

Valid from 1 January 2002
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Valid from 1 January 2002

Environmental Protection Agency

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European Waste Catalogue and Hazardous Waste List - Valid from 1 January 2002

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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\(^1\) and hazardous waste list\(^2\) 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\(^3\).

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\(^4\) was introduced, which comes into force on 1 January 2002. This new combined list has since been amended three times\(^5, 6, 7\). 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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5 Commission Decision 2001/118/EC amending 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. 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).

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**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).

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**Figure 1 Hazardous waste flowchart**

Is the material a waste?  
Yes  
Is the waste material mentioned in the hazardous waste list (HWL)?  
Yes  
Is it a Category I waste or a Category II waste as listed in Part I of the Second Schedule to the Waste Management Act, 1996?  
Yes  
Category I  
Category II  
Does it have any of the properties specified in Part III of the Second Schedule to the Waste Management Act, 1996?  
No  
Not hazardous waste  
Yes  
Hazardous waste  
Does it contain any of the constituents in Part II of the Second Schedule *and* does it have any of the properties specified in Part III of the Second Schedule to the Waste Management Act, 1996?  
No  
Not hazardous waste  
Yes  
Not hazardous waste
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 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\(^\text{10}\) 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\(^\text{9}\) 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 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 \( \geq 1\% \)

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

Annex III

PROPERTIES OF WASTES WHICH RENDER THEM HAZARDOUS

\(^{9}\) 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.

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


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\(^{13}\), 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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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


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.

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

14 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

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Wastes resulting from exploration, mining, quarrying, physical and chemical treatment of minerals</td>
</tr>
<tr>
<td>02</td>
<td>Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing</td>
</tr>
<tr>
<td>03</td>
<td>Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard</td>
</tr>
<tr>
<td>04</td>
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<td>05</td>
<td>Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal</td>
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<tr>
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<td>07</td>
<td>Wastes from organic chemical processes</td>
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<td>08</td>
<td>Wastes from the manufacture, formulation, supply and use (MFSU) of coatings (paints, varnishes and vitreous enamels), sealants and printing inks</td>
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<tr>
<td>09</td>
<td>Wastes from photographic industry</td>
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<tr>
<td>10</td>
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<tr>
<td>11</td>
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<td>12</td>
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<td>13</td>
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<td>14</td>
<td>Waste organic solvents, refrigerants and propellants (except 07 and 08)</td>
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<tr>
<td>15</td>
<td>Waste packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified</td>
</tr>
<tr>
<td>16</td>
<td>Wastes no otherwise specified in the list</td>
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<tr>
<td>17</td>
<td>Construction and demolition wastes (including excavated soil from contaminated sites)</td>
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<td>18</td>
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<td>19</td>
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<td>20</td>
<td>Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions</td>
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<tr>
<td>Code</td>
<td>Description</td>
</tr>
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<td>-------</td>
<td>-----------------------------------------------------------------------------------------------</td>
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<td>WASTE RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS</td>
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<td>01 01 02</td>
<td>wastes from mineral non-metalliferous excavation</td>
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<td>01 03 99</td>
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<td>waste containing dangerous substances from physical and chemical processing of non-metalliferous minerals</td>
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<td>01 04 08</td>
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<td>01 04 09</td>
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<td>01 04 10</td>
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<td>01 05 99</td>
<td>wastes not otherwise specified</td>
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</table>

01 03 04*, 01 03 05*, 01 03 06, 01 03 07*, 01 03 08, 01 03 09, 01 03 99, 01 04 07*, 01 04 08, 01 04 09, 01 04 10, 01 04 11, 01 04 12, 01 04 13, 01 04 99, 01 05 05*, 01 05 06*, 01 05 07, 01 05 08 are marked as special cases.
<table>
<thead>
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<th>Code</th>
<th>Description</th>
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<tbody>
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<td>02</td>
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<td>wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing</td>
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<td>02 01 02</td>
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<td>plant-tissue waste</td>
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<td>02 01 04</td>
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<td>02 01 06</td>
<td>animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site</td>
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<td>02 01 07</td>
<td>waste from forestry</td>
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<td>02 01 08*</td>
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<td>02 01 09</td>
<td>agrochemical waste other than those mentioned in 02 01 08</td>
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<td>02 01 10</td>
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<td>02 02 01</td>
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<td>02 02 02</td>
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<td>sludges from on-site effluent treatment</td>
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<td>02 02 99</td>
<td>waste not otherwise specified</td>
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<td>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</td>
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<td>sludges from on-site effluent treatment</td>
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<tr>
<td>04 02 99</td>
<td>wastes not otherwise specified</td>
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<td>02 05</td>
<td>wastes from the dairy products industry</td>
</tr>
<tr>
<td>02 05 01</td>
<td>materials unsuitable for consumption or processing</td>
</tr>
</tbody>
</table>
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 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
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

05 06 waste from the pyrolytic treatment of coal
05 06 01* acid tars
05 06 03* other tars
05 06 04 waste from cooling columns
05 06 99 wastes not otherwise specified

05 07 waste from natural gas purification and transportation
05 07 01* wastes containing mercury
05 07 02 wastes containing sulphur
05 07 99 wastes not otherwise specified

06 WASTES FROM INORGANIC CHEMICAL PROCESSES

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

### 07 06  
**Wastes from the MFSU of Fats, Grease, Soaps, Detergents, Disinfectants and Cosmetics**

- 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 still 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

### 07 07  
**Wastes from the MFSU of Fine Chemicals and Chemical Products not Otherwise Specified**

- 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 absorbents
- 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 FROM 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

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
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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

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
<table>
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<tr>
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<th>Description</th>
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<tr>
<td>10 05 03*</td>
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<tr>
<td>10 05 04</td>
<td>other particulates and dust</td>
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<tr>
<td>10 05 05*</td>
<td>solid waste from gas treatment</td>
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<tr>
<td>10 05 06*</td>
<td>sludges and filter cakes from gas treatment</td>
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<td>10 05 08*</td>
<td>wastes from cooling-water treatment containing oil</td>
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<tr>
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<td>wastes from cooling-water treatment other than those mentioned in 10 05 08</td>
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<tr>
<td>10 05 10*</td>
<td>dross and skimmings that are flammable or emit, upon contact with water, flammable gases in dangerous quantities</td>
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<td>10 05 11</td>
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<td><strong>10 06</strong></td>
<td>wastes from copper thermal metallurgy</td>
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<td>slags from primary and secondary production</td>
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<td>10 06 02</td>
<td>dross and skimmings from primary and secondary production</td>
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<td>flue-gas dust</td>
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<td>other particulates and dust</td>
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<td>solid wastes from gas treatment</td>
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<td>sludges and filter cakes from gas treatment</td>
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<td>wastes from cooling-water treatment containing oil</td>
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<td>waste from cooling-water treatment other than those mentioned in 10 06 09</td>
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<td><strong>10 07</strong></td>
<td>wastes from silver, gold and platinum thermal metallurgy</td>
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<td>slags from primary and secondary production</td>
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<td>10 07 02</td>
<td>dross and skimmings from primary and secondary production</td>
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<td>10 07 03</td>
<td>solid wastes from gas treatment</td>
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<td>10 07 04</td>
<td>other particulates and dust</td>
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<td>10 07 05</td>
<td>sludges and filter cakes from gas treatment</td>
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<td>10 07 07*</td>
<td>wastes from cooling-water treatment containing oil</td>
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<td>wastes from cooling-water treatment other than those mentioned in 10 07 07</td>
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<td>10 07 99</td>
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<td><strong>10 08</strong></td>
<td>wastes from other non-ferous thermal metallurgy</td>
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<tr>
<td>10 08 04</td>
<td>particulates and dust</td>
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<tr>
<td>10 08 08*</td>
<td>salt slag from primary and secondary production</td>
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<td>10 08 09</td>
<td>other slags</td>
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<td>10 08 10*</td>
<td>dross and skimming that are flammable or emit, upon the contact with water, flammable gases in dangerous quantities</td>
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<td>10 08 11</td>
<td>dross and skimmings other than those mentioned in 10 08 10</td>
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</tbody>
</table>
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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 which 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 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
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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 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

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 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 09* machining sludges containing dangerous substances
  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 （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

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15 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

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
components not otherwise specified
wastes not otherwise specified

16 02 wastes from electrical and electronic equipment
transformers and capacitors containing PCBs
discarded equipment containing or contaminated by PCBs other than those mentioned in 16 02 09
discarded equipment containing chlorofluorocarbons, HCFC, HFC
discarded equipment containing free asbestos
discarded equipment containing hazardous components (16) other than those mentioned in 16 02 09 to 16 02 12
discarded equipment other than those mentioned in 16 02 09 to 16 02 13
hazardous components removed from discarded equipment
components removed from discarded equipment other than those mentioned in 16 02 15

16 03 off-specification batches and unused products
inorganic wastes containing dangerous substances
inorganic wastes other than those mentioned in 16 03 03
organic wastes containing dangerous substances
organic wastes other than those mentioned in 16 03 05

16 04 waste explosives
waste ammunition
fireworks wastes
other waste explosives

16 05 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 06 batteries and accumulators
lead batteries
Ni-Cd batteries

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16 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.
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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 (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 mentioned above

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17 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.
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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 (18)

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 prevent infection

18 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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 01 06*</td>
<td>Chemicals consisting of or containing dangerous substances</td>
</tr>
<tr>
<td>18 01 07</td>
<td>Chemicals other than those mentioned in 18 01 06</td>
</tr>
<tr>
<td>18 01 08*</td>
<td>Cytotoxic and cytostatic medicines</td>
</tr>
<tr>
<td>18 01 09</td>
<td>Medicines other than those mentioned in 18 01 08</td>
</tr>
<tr>
<td>18 01 10*</td>
<td>amalgam waste from dental care</td>
</tr>
</tbody>
</table>

18 02 wastes from research, diagnosis, treatment or prevention of disease involving animals

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tr>
<td>18 02 01</td>
<td>sharps except (18 02 02)</td>
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<tr>
<td>18 02 02*</td>
<td>wastes whose collection and disposal is subject to special requirements in order to prevent</td>
</tr>
<tr>
<td></td>
<td>infection</td>
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<tr>
<td>18 02 03</td>
<td>wastes whose collection and disposal is not subject to special requirements in order to</td>
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<td></td>
<td>prevent infection</td>
</tr>
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<td>18 02 05*</td>
<td>chemicals consisting of or containing dangerous substances</td>
</tr>
<tr>
<td>18 02 06</td>
<td>chemicals other than those mentioned in 18 02 05</td>
</tr>
<tr>
<td>18 02 07*</td>
<td>cytotoxic and cytostatic medicines</td>
</tr>
<tr>
<td>18 02 08</td>
<td>medicines other than those mentioned in 18 02 07</td>
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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

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>19 01 02</td>
<td>ferrous materials removed from bottom ash</td>
</tr>
<tr>
<td>19 01 05*</td>
<td>filter cake from gas treatment</td>
</tr>
<tr>
<td>19 02 06*</td>
<td>aqueous liquid wastes from gas treatment and other aqueous liquid wastes</td>
</tr>
<tr>
<td>19 01 07*</td>
<td>solid wastes from gas treatment</td>
</tr>
<tr>
<td>19 01 10*</td>
<td>spent activated carbon from flue-gas treatment</td>
</tr>
<tr>
<td>19 01 11*</td>
<td>bottom ash and slag containing dangerous substances</td>
</tr>
<tr>
<td>19 01 12</td>
<td>bottom ash and slag other than those mentioned in 19 01 11</td>
</tr>
<tr>
<td>19 01 13*</td>
<td>fly ash containing dangerous substances</td>
</tr>
<tr>
<td>19 01 14</td>
<td>fly ash other than those mentioned in 19 01 13</td>
</tr>
<tr>
<td>19 01 15*</td>
<td>boiler dust containing dangerous substances</td>
</tr>
<tr>
<td>19 01 16</td>
<td>boiler dust other than those mentioned in 19 01 15</td>
</tr>
<tr>
<td>19 01 17*</td>
<td>pyrolysis wastes containing dangerous substances</td>
</tr>
</tbody>
</table>
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

\(^{19}\) 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.

\(^{20}\) 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  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

**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 (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

21 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.
### European Waste Catalogue and Hazardous Waste List - Valid from 1 January 2002

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 02</td>
<td><strong>garden and park wastes (including cemetery waste)</strong></td>
</tr>
<tr>
<td>20 02 01</td>
<td>biodegradable waste</td>
</tr>
<tr>
<td>20 02 02</td>
<td>soil and stones</td>
</tr>
<tr>
<td>20 02 03</td>
<td>other non-biodegradable wastes</td>
</tr>
<tr>
<td>20 03</td>
<td><strong>other municipal wastes</strong></td>
</tr>
<tr>
<td>20 03 01</td>
<td>mixed municipal waste</td>
</tr>
<tr>
<td>20 03 02</td>
<td>waste from markets</td>
</tr>
<tr>
<td>20 03 03</td>
<td>street-cleaning residues</td>
</tr>
<tr>
<td>20 03 04</td>
<td>septic tank sludge</td>
</tr>
<tr>
<td>20 03 06</td>
<td>waste from sewage cleaning</td>
</tr>
<tr>
<td>20 03 07</td>
<td>bulky waste</td>
</tr>
<tr>
<td>20 03 99</td>
<td>municipal wastes not otherwise specified</td>
</tr>
</tbody>
</table>
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  Web: www.epa.ie

CONTENTS:

STYLE:

INFORMATION:

SUGGESTIONS FOR FUTURE REVISIONS:

NAME………………………………………
ORGANISATION……………………………

ADDRESS…………………………………………………………………………………………

DATE………………….. PHONE…………………………… FAX………………………………
E-MAIL…………………………… WEB……………………………..