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(Acts whose publication is obligatory)

**COMMISSION REGULATION (EC) No 2557/2001**

**of 28 December 2001**

**amending Annex V of Council Regulation (EEC) No 259/93 on the supervision and control of shipments of waste within, into and out of the European Community**

THE COMMISSION OF THE EUROPEAN COMMUNITIES,

Part II of Appendix 4 thereto, which lists waste subject to the so-called amber control procedure of that Decision.

Having regard to the Treaty establishing the European Community,

Having regard to Council Regulation (EEC) No 259/93 of 1 February 1993 on the supervision and control of shipments of waste within, into and out of the European Community <sup>(1)</sup>, as last amended by Commission Decision 1999/816/EC <sup>(2)</sup>, and in particular Article 16(1) thereof,

(4) Decision C(2001) 107 of the OECD Council, including Part II of Appendix 4 thereto, is only binding on the Member States and the Community on completion of the necessary Community procedures <sup>(8)</sup>. It is therefore necessary to ensure that the OECD amendments regarding Part II of Appendix 4 for the purposes of this Regulation are transposed into Community legislation from the same date as the amendments included in Decision 2000/532/EC namely 1 January 2002.

Whereas:

(1) By virtue of Council Decision 93/98/EEC <sup>(3)</sup>, the Community has been a party to the Basel Convention on the control of transboundary movements of hazardous wastes and their disposal since 7 February 1994.

(5) Annex V to Council Regulation (EEC) No 259/93 should be amended in order to ensure that Parts 2 and 3 thereof take full account of the most up to date list of hazardous wastes adopted in accordance with Article 1(4) of Directive 91/689/EEC and the most up to date list of waste adopted by the OECD Council and approved by the Community.

(2) A list of hazardous wastes has been adopted in accordance with Article 1(4) of Council Directive 91/689/EEC of 12 December 1991 on hazardous waste <sup>(4)</sup>, as amended by Directive 94/31/EC <sup>(5)</sup> and amended in the light of notifications from Member States. The most recent version of that list of hazardous waste is included in Commission Decision 2000/532/EC <sup>(6)</sup>, as last amended by Council Decision 2001/573/EC <sup>(7)</sup>.

(6) The measures provided for in this Regulation are in accordance with the opinion of the Committee established by Article 18 of Directive 75/442/EEC,

(3) The Community has approved Decision C(2001) 107 of the OECD Council on the Revision of Decision C(92) 39/final on the Control of Transboundary Movements of Wastes Destined for Recovery Operations, including in particular

HAS ADOPTED THIS REGULATION:

*Article 1*

Annex V to Council Regulation (EEC) 259/93 is replaced by the Annex to this Regulation.

*Article 2*

This Regulation shall enter into force on 1 January 2002.

<sup>(1)</sup> OJ L 30, 6.2.1993, p. 1.

<sup>(2)</sup> OJ L 316, 10.12.1999, p. 45.

<sup>(3)</sup> OJ L 39, 16.2.1993, p. 1.

<sup>(4)</sup> OJ L 377, 31.12.1991, p. 20.

<sup>(5)</sup> OJ L 168, 2.7.1994, p. 28.

<sup>(6)</sup> OJ L 226, 6.9.2000, p. 3.

<sup>(7)</sup> OJ L 203, 28.7.2001, p. 18.

<sup>(8)</sup> Council Conclusions of 12 June 2001.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels, 28 December 2001.

*For the Commission*  
Margot WALLSTRÖM  
*Member of the Commission*

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## ANNEX

## 'ANNEX V

*Introductory notes*

1. Annex V shall apply without prejudice to Directive 75/442/EEC, as amended by Directive 91/156/EEC and Directive 91/689/EEC.
2. This Annex consists of three parts, whereby parts 2 and 3 only apply when part 1 is not of application. Consequently, to determine if a specific waste is covered by Annex V of Council Regulation (EEC) No 259/93, one has to first check whether the waste features in part 1 of Annex V, if this is not the case whether it features in part 2, and if this is not the case whether it features in part 3.

Part 1 is divided into two sub-sections: List A enumerating wastes which are classified as hazardous for the purposes of the Basel Convention and therefore are covered by the export ban and List B enumerating wastes which are not covered by the export ban.

Thus, if a waste features in part 1, one has to check if it is enumerated in List A or in List B. Only if a waste does not feature in either List A or List B of part 1, one has to check if it features among the hazardous waste of part 2 or in part 3 and if this is the case it is covered by the export ban.

3. Member States may make provisions, in exceptional cases, to determine, on the basis of documentary evidence provided in an appropriate way by the holder, that a specific hazardous waste on this Annex is excluded from the export ban referred to in Article 16, paragraph 1, of Council Regulation (EEC) No 259/93 as amended, if it does not display any of the properties listed in Annex III to Directive 91/689/EEC, taking into account, as regards H3 to H8, H10 and H11 of the said Annex, the limit values laid down in Commission Decision 2000/532/EC as amended.

In such a case, the Member State concerned shall inform the envisaged importing country prior to taking a decision. Member States shall notify such cases to the Commission before the end of each calendar year. The Commission shall forward the information to all Member States and to the Secretariat of the Basel Convention. On the basis of the information provided, the Commission may make comments and, where appropriate, submit proposals to the Committee established pursuant to Article 18 of Directive 75/442/EEC with a view to adapting Annex V of Council Regulation (EEC) No 259/93.

4. The fact that a waste is not listed as hazardous in this Annex, or that it is listed in part 1, list B, does not preclude, in exceptional cases, characterisation of such a waste as hazardous and therefore subject to the export ban referred to in Article 16(1), of Council Regulation (EEC) No 259/93 as amended, if it displays any of the properties listed in Annex III to Directive 91/689/EEC, taking into account, as regards H3 to H8, H10 and H11 of the said Annex, the limit values laid down in Commission Decision 2000/532/EC, as amended, as provided for in Article 1(4), second indent, of Directive 91/689/EEC and in the Header of Annex II to Council Regulation (EEC) No 259/93.

In such a case, the Member State concerned shall inform the envisaged importing country prior to taking a decision. Member States shall notify such cases to the Commission before the end of each calendar year. The Commission shall forward the information to all Member States and to the Secretariat of the Basel Convention. On the basis of the information provided, the Commission may make comments and, where appropriate, submit proposals to the Committee established pursuant to Article 18 of Directive 75/442/EEC with a view to adapting Annex V of Council Regulation (EEC) No 259/93.

## PART 1

*List A (Annex VIII to the Basel Convention)***A1 Metal and metal-bearing wastes**

- A1010 Metal wastes and waste consisting of alloys of any of the following:
- Antimony
  - Arsenic
  - Beryllium
  - Cadmium
  - Lead
  - Mercury
  - Selenium
  - Tellurium
  - Thallium
- but excluding such wastes specifically listed on list B
- A1020 Waste having as constituents or contaminants, excluding metal waste in massive form, any of the following:
- Antimony; antimony compounds
  - Beryllium; beryllium compounds
  - Cadmium; cadmium compounds
  - Lead; lead compounds
  - Selenium; selenium compounds
  - Tellurium; tellurium compounds
- A1030 Wastes having as constituents or contaminants any of the following:
- Arsenic; arsenic compounds
  - Mercury; mercury compounds
  - Thallium; thallium compounds
- A1040 Wastes having as constituents any of the following:
- Metal carbonyls
  - Hexavalent chromium compounds
- A1050 Galvanic sludges
- A1060 Waste liquors from the pickling of metals
- A1070 Leaching residues from zinc processing, dust and sludges such as jarosite, hematite, etc.
- A1080 Waste zinc residues not included on list B, containing lead and cadmium in concentrations sufficient to exhibit Annex III characteristics
- A1090 Ashes from the incineration of insulated copper wire
- A1100 Dusts and residues from gas cleaning systems of copper smelters
- A1110 Spent electrolytic solutions from copper electrorefining and electrowinning operations
- A1120 Waste sludges, excluding anode slimes, from electrolyte purification systems in copper electrorefining and electrowinning operations
- A1130 Spent etching solutions containing dissolved copper
- A1140 Waste cupric chloride and copper cyanide catalysts
- A1150 Precious metal ash from incineration of printed circuit boards not included on list B <sup>(1)</sup>
- A1160 Waste lead-acid batteries, whole or crushed

<sup>(1)</sup> Note that mirror entry on list B (B1160) does not specify exceptions.

A1170	Unsorted waste batteries excluding mixtures of only list B batteries. Waste batteries not specified on list B containing Annex I constituents to an extent to render them hazardous.
A1180	Waste electrical and electronic assemblies or scrap <sup>(2)</sup> containing components such as accumulators and other batteries included on list A, mercury-switches, glass from cathode-ray tubes and other activated glass and PCB-capacitors, or contaminated with Annex I constituents (e.g. cadmium, mercury, lead, polychlorinated biphenyl) to an extent that they possess any of the characteristics contained in Annex III (note the related entry on list B, B1110) <sup>(3)</sup>
<b>A2</b>	<b>Wastes containing principally inorganic constituents, which may contain metals and organic materials</b>
A2010	Glass waste from cathode-ray tubes and other activated glasses
A2020	Waste inorganic fluorine compounds in the form of liquids or sludges but excluding such wastes specified on list B
A2030	Waste catalysts but excluding such wastes specified on list B
A2040	Waste gypsum arising from chemical industry processes, when containing Annex I constituents to the extent that it exhibits an Annex III hazardous characteristic (note the related entry on list B, B2080)
A2050	Waste asbestos (dusts and fibres)
A2060	Coal-fired power plant fly-ash containing Annex I substances in concentrations sufficient to exhibit Annex III characteristics (note the related entry on list B, B2050)
<b>A3</b>	<b>Wastes containing principally organic constituents, which may contain metals and inorganic materials</b>
A3010	Waste from the production or processing of petroleum coke and bitumen
A3020	Waste mineral oils unfit for their originally intended use
A3030	Wastes that contain, consist of or are contaminated with leaded anti-knock compound sludges
A3040	Waste thermal (heat transfer) fluids
A3050	Wastes from production, formulation and use of resins, latex, plasticizers, glues/adhesives excluding such wastes specified on list B (note the related entry on list B, B4020)
A3060	Waste nitrocellulose
A3070	Waste phenols, phenol compounds including chlorophenol in the form of liquids or sludges
A3080	Waste ethers not including those specified on list B
A3090	Waste leather dust, ash, sludges and flours when containing hexavalent chromium compounds or biocides (note the related entry on list B, B3100)
A3100	Waste paring and other waste of leather or of composition leather not suitable for the manufacture of leather articles containing hexavalent chromium compounds or biocides (note the related entry on list B, B3090)
A3110	Fellmongery wastes containing hexavalent chromium compounds or biocides or infectious substances (note the related entry on list B, B3110)
A3120	Fluff-light fraction from shredding
A3130	Waste organic phosphorous compounds
A3140	Waste non-halogenated organic solvents but excluding such wastes specified on list B
A3150	Waste halogenated organic solvents

<sup>(2)</sup> This entry does not include scrap assemblies from electric power generation.

<sup>(3)</sup> PCBs are at a concentration level of 50 mg/kg or more.

- A3160 Waste halogenated or unhalogenated non-aqueous distillation residues arising from organic solvent recovery operations
- A3170 Wastes arising from the production of aliphatic halogenated hydrocarbons (such as chloromethane, dichloro-ethane, vinyl chloride, vinylidene chloride, allyl chloride and epichlorhydrin)
- A3180 Wastes, substances and articles containing, consisting of or contaminated with polychlorinated biphenyl (PCB), polychlorinated terphenyl (PCT), polychlorinated naphthalene (PCN) or polybrominated biphenyl (PBB), or any other polybrominated analogues of these compounds, at a concentration level of 50 mg/kg or more 50 mg/kg <sup>(4)</sup>
- A3190 Waste tarry residues (excluding asphalt cements) arising from refining, distillation and any pyrolytic treatment of organic materials
- A4 Wastes which may contain either inorganic or organic constituents**
- A4010 Wastes from the production, preparation and use of pharmaceutical products but excluding such wastes specified on list B
- A4020 Clinical and related wastes; that is wastes arising from medical, nursing, dental, veterinary, or similar practices, and wastes generated in hospitals or other facilities during the investigation or treatment of patients, or research projects
- A4030 Wastes from the production, formulation and use of biocides and phytopharmaceuticals, including waste pesticides and herbicides which are off-specification, out-dated <sup>(5)</sup>, or unfit for their originally intended use
- A4040 Wastes from the manufacture, formulation and use of wood-preserving chemicals <sup>(6)</sup>
- A4050 Wastes that contain, consist of or are contaminated with any of the following:  
— Inorganic cyanides, excepting precious-metal-bearing residues in solid form containing traces of inorganic cyanides  
— Organic cyanides
- A4060 Waste oils/water, hydrocarbons/water mixtures, emulsions
- A4070 Wastes from the production, formulation and use of inks, dyes, pigments, paints, lacquers, varnish excluding any such waste specified on list B (note the related entry on list B, B4010)
- A4080 Wastes of an explosive nature (but excluding such wastes specified on list B)
- A4090 Waste acidic or basic solutions, other than those specified in the corresponding entry on list B (note the related entry on list B, B2120)
- A4100 Wastes from industrial pollution control devices for cleaning of industrial off-gases but excluding such wastes specified on list B
- A4110 Wastes that contain, consist of or are contaminated with any of the following:  
— any congener of polychlorinated dibenzo-furan  
— any congener of polychlorinated dibenzo-dioxin
- A4120 Wastes that contain, consist of or are contaminated with peroxides
- A4130 Waste packages and containers containing Annex I substances in concentrations sufficient to exhibit Annex III hazard characteristics
- A4140 Waste consisting of or containing off-specification or out-dated <sup>(7)</sup> chemicals corresponding to Annex I categories and exhibiting Annex III hazard characteristics
- A4150 Waste chemical substances arising from research and development or teaching activities which are not identified and/or are new and whose effects on human health and/or the environment are not known
- A4160 Spent activated carbon not included on list B (note the related entry on list B, B2060)

<sup>(4)</sup> The 50 mg/kg level is considered to be an internationally practical level for all wastes. However, many individual countries have established lower regulatory levels (e.g. 20 mg/kg) for specific wastes.

<sup>(5)</sup> "Out-dated" means unused within the period recommended by the manufacturer.

<sup>(6)</sup> This entry does not include wood treated with wood-preserving chemicals.

<sup>(7)</sup> "Out-dated" means unused within the period recommended by the manufacturer.

*List B (Annex IX to the Basel Convention)***B1 Metal and metal-bearing wastes**

- B1010 Metal and metal-alloy wastes in metallic, non-dispersible form:
- Precious metals (gold, silver, the platinum group, but not mercury)
  - Iron and steel scrap
  - Copper scrap
  - Nickel scrap
  - Aluminium scrap
  - Zinc scrap
  - Tin scrap
  - Tungsten scrap
  - Molybdenum scrap
  - Tantalum scrap
  - Magnesium scrap
  - Cobalt scrap
  - Bismuth scrap
  - Titanium scrap
  - Zirconium scrap
  - Manganese scrap
  - Germanium scrap
  - Vanadium scrap
  - Scrap of Hafnium, Indium, Niobium, Rhenium and Gallium
  - Thorium scrap
  - Rare earths scrap
- B1020 Clean, uncontaminated metal scrap, including alloys, in bulk finished form (sheet, plate, beams, rods, etc):
- Antimony scrap
  - Beryllium scrap
  - Cadmium scrap
  - Lead scrap (but excluding lead-acid batteries)
  - Selenium scrap
  - Tellurium scrap
- B1030 Refractory metals containing residues
- B1040 Scrap assemblies from electrical power generation not contaminated with lubricating oil, PCB or PCT to an extent to render them hazardous
- B1050 Mixed non-ferrous metal, heavy fraction scrap, not containing Annex I materials in concentrations sufficient to exhibit Annex III characteristics <sup>(8)</sup>
- B1060 Waste Selenium and Tellurium in metallic elemental form including powder
- B1070 Waste of copper and copper alloys in dispersible form, unless they contain Annex I constituents to an extent that they exhibit Annex III characteristics
- B1080 Zinc ash and residues including zinc alloys residues in dispersible form unless containing Annex I constituents in concentration such as to exhibit Annex III characteristics or exhibiting hazard characteristic H4.3 <sup>(9)</sup>
- B1090 Waste batteries conforming to a specification, excluding those made with lead, cadmium or mercury

<sup>(8)</sup> Note that even where low level contamination with Annex I materials initially exists, subsequent processes, including recycling processes, may result in separated fractions containing significantly enhanced concentrations of those Annex I materials.

<sup>(9)</sup> The status of zinc ash is currently under review and there is a recommendation with United Nations Conference on Trade and Development (UNCTAD) that zinc ashes should not be dangerous goods.

- B1100 Metal-bearing wastes arising from melting, smelting and refining of metals:
- Hard zinc spelter
  - Zinc-containing drosses:
    - Galvanizing slab zinc top dross (> 90 % Zn)
    - Galvanizing slab zinc bottom dross (> 92 % Zn)
    - Zinc die casting dross (> 85 % Zn)
    - Hot dip galvanizers slab zinc dross (batch) (> 92 % Zn)
    - Zinc skimmings
  - Aluminium skimmings (or skims) excluding salt slag
  - Slags from copper processing for further processing or refining not containing arsenic, lead or cadmium to an extent that they exhibit Annex III hazard characteristics
  - Wastes of refractory linings, including crucibles, originating from copper smelting
  - Slags from precious metals processing for further refining
  - Tantalum bearing tin slags with less than 0.5 % tin
- B1110 Electrical and electronic assemblies:
- Electronic assemblies consisting only of metals or alloys
  - Waste electrical and electronic assemblies or scrap <sup>(10)</sup> (including printed circuit boards) not containing components such as accumulators and other batteries included on list A, mercury-switches, glass from cathode-ray tubes and other activated glass and PCB-capacitors, or not contaminated with Annex I constituents (e.g. cadmium, mercury, lead, polychlorinated biphenyl) or from which these have been removed, to an extent that they do not possess any of the characteristics contained in Annex III (note the related entry on list A, A1180)
  - Electrical and electronic assemblies (including printed circuit boards, electronic components and wires) destined for direct re-use <sup>(11)</sup> and not for recycling or final disposal <sup>(12)</sup>
- B1120 Spent catalysts excluding liquids used as catalysts, containing any of:
- |   |                                    |            |
|---|------------------------------------|------------|
| — Transition Metals, excluding waste catalysts (spent catalysts, liquid used catalysts or other catalysts) on list A: | Scandium                           | Titanium   |
|   | Vanadium                           | Chromium   |
|   | Manganese                          | Iron       |
|   | Cobalt                             | Nickel     |
|   | Copper                             | Zinc       |
|   | Yttrium                            | Zirconium  |
|   | Niobium                            | Molybdenum |
|   | Hafnium                            | Tantalum   |
|   | Tungsten                           | Rhenium    |
|   |                                    |            |
|   | — Lanthanides (rare earth metals): |            |
|   | Lanthanum                          | Cerium     |
| Praseodymium  | Neodymium                          |            |
| Samarium  | Europium                           |            |
| Gadolinium  | Terbium                            |            |
| Dysprosium  | Holmium                            |            |
| Erbium  | Thulium                            |            |
| Ytterbium   | Lutetium                           |            |
- B1130 Cleaned spent precious-metal-bearing catalysts
- B1140 Precious-metal-bearing residues in solid form which contain traces of inorganic cyanides
- B1150 Precious metals and alloy wastes (gold, silver, the platinum group, but not mercury) in a dispersible, non-liquid form with appropriate packaging and labeling

<sup>(10)</sup> This entry does not include scrap from electrical power generation.

<sup>(11)</sup> Re-use can include repair, refurbishment or upgrading, but not major reassembly.

<sup>(12)</sup> In some countries these materials destined for direct re-use are not considered wastes.



- B1160 Precious-metal ash from the incineration of printed circuit boards (note the related entry on list A, A1150)
- B1170 Precious-metal ash from the incineration of photographic film
- B1180 Waste photographic film containing silver halides and metallic silver
- B1190 Waste photographic paper containing silver halides and metallic silver
- B1200 Granulated slag arising from the manufacture of iron and steel
- B1210 Slag arising from the manufacture of iron and steel including slags as a source of  $\text{TiO}_2$  and Vanadium
- B1220 Slag from zinc production, chemically stabilized, having a high iron content (above 20 %) and processed according to industrial specifications (e.g. DIN 4301) mainly for construction
- B1230 Mill scaling arising from the manufacture of iron and steel
- B1240 Copper oxide mill-scale
- B2 Wastes containing principally inorganic constituents, which may contain metals and organic materials**
- B2010 Wastes from mining operations in non-dispersible form:
- Natural graphite waste
  - Slate waste, whether or not roughly trimmed or merely cut, by sawing or otherwise
  - Mica waste
  - Leucite, nepheline and nepheline syenite waste
  - Feldspar waste
  - Fluorspar waste
  - Silica wastes in solid form excluding those used in foundry operations
- B2020 Glass waste in non-dispersible form:
- Cullet and other waste and scrap of glass except for glass from cathode-ray tubes and other activated glasses
- B2030 Ceramic wastes in non-dispersible form:
- Cermet wastes and scrap (metal ceramic composites)
  - Ceramic based fibres not elsewhere specified or included
- B2040 Other wastes containing principally inorganic constituents:
- Partially refined calcium sulphate produced from flue-gas desulphurization (FGD)
  - Waste gypsum wallboard or plasterboard arising from the demolition of buildings
  - Slag from copper production, chemically stabilized, having a high iron content (above 20 %) and processed according to industrial specifications (e.g. DIN 4301 and DIN 8201) mainly for construction and abrasive applications
  - Sulphur in solid form
  - Limestone from the production of calcium cyanamide (having a pH less than 9)
  - Sodium, potassium, calcium chlorides
  - Carborundum (silicon carbide)
  - Broken concrete
  - Lithium-Tantalum and Lithium-Niobium containing glass scraps
- B2050 Coal-fired power plant fly-ash, not included on list A (note the related entry on list A, A2060)
- B2060 Spent activated carbon resulting from the treatment of potable water and processes of the food industry and vitamin production (note the related entry on list A, A4160)
- B2070 Calcium fluoride sludge
- B2080 Waste gypsum arising from chemical industry processes not included on list A (note the related entry on list A, A2040)

- B2090 Waste anode butts from steel or aluminium production made of petroleum coke or bitumen and cleaned to normal industry specifications (excluding anode butts from chlor alkali electrolyses and from metallurgical industry)
- B2100 Waste hydrates of aluminium and waste alumina and residues from alumina production excluding such materials used for gas cleaning, flocculation or filtration processes
- B2110 Bauxite residue ("red mud") (pH moderated to less than 11,5)
- B2120 Waste acidic or basic solutions with a pH greater than 2 and less than 11,5, which are not corrosive or otherwise hazardous (note the related entry on list A, A4090)

**B3 Wastes containing principally organic constituents, which may contain metals and inorganic materials**

- B3010 Solid plastic waste:  
The following plastic or mixed plastic materials, provided they are not mixed with other wastes and are prepared to a specification:
- Scrap plastic of non-halogenated polymers and co-polymers, including but not limited to the following <sup>(13)</sup>:
    - ethylene
    - styrene
    - polypropylene
    - polyethylene terephthalate
    - acrylonitrile
    - butadiene
    - polyacetals
    - polyamides
    - polybutylene terephthalate
    - polycarbonates
    - polyethers
    - polyphenylene sulphides
    - acrylic polymers
    - alkanes C10-C13 (plasticiser)
    - polyurethane (not containing CFCs)
    - polysiloxanes
    - polymethyl methacrylate
    - polyvinyl alcohol
    - polyvinyl butyral
    - polyvinyl acetate
  - Cured waste resins or condensation products including the following:
    - urea formaldehyde resins
    - phenol formaldehyde resins
    - melamine formaldehyde resins
    - epoxy resins
    - alkyd resins
    - polyamides
  - The following fluorinated polymer wastes <sup>(14)</sup>:
    - Perfluoroethylene/propylene (FEP)
    - Perfluoroalkoxy alkane (PFA)
    - Perfluoroalkoxy alkane (MFA)
    - Polyvinylfluoride (PVF)
    - Polyvinylidene fluoride (PVDF)

<sup>(13)</sup> It is understood that such scraps are completely polymerized.

<sup>(14)</sup> — Post-consumer wastes are excluded from this entry  
 — Wastes shall not be mixed  
 — Problems arising from open-burning practices to be considered.

- B3020 Paper, paperboard and paper product wastes  
The following materials, provided they are not mixed with hazardous wastes:  
Waste and scrap of paper or paperboard of:
- unbleached paper or paperboard or of corrugated paper or paperboard
  - other paper or paperboard, made mainly of bleached chemical pulp, not coloured in the mass
  - paper or paperboard made mainly of mechanical pulp (for example, newspapers, journals and similar printed matter)
  - other, including but not limited to
    1. laminated paperboard;
    2. unsorted scrap
- B3030 Textile wastes  
The following materials, provided they are not mixed with other wastes and are prepared to a specification:
- Silk waste (including cocoons unsuitable for reeling, yarn waste and garnetted stock)
    - not carded or combed
    - other
  - Waste of wool or of fine or coarse animal hair, including yarn waste but excluding garnetted stock
    - noils of wool or of fine animal hair
    - other waste of wool or of fine animal hair
    - waste of coarse animal hair
  - Cotton waste (including yarn waste and garnetted stock)
    - yarn waste (including thread waste)
    - garnetted stock
    - other
  - Flax tow and waste
  - Tow and waste (including yarn waste and garnetted stock) of true hemp (*Cannabis sativa* L.)
  - Tow and waste (including yarn waste and garnetted stock) of jute and other textile bast fibres (excluding flax, true hemp and ramie)
  - Tow and waste (including yarn waste and garnetted stock) of sisal and other textile fibres of the genus *Agave*
  - Tow, noils and waste (including yarn waste and garnetted stock) of coconut
  - Tow, noils and waste (including yarn waste and garnetted stock) of abaca (Manila hemp or *Musa textilis* Nee)
  - Tow, noils and waste (including yarn waste and garnetted stock) of ramie and other vegetable textile fibres, not elsewhere specified or included
  - Waste (including noils, yarn waste and garnetted stock) of man-made fibres
    - of synthetic fibres
    - of artificial fibres
  - Worn clothing and other worn textile articles
  - Used rags, scrap twine, cordage, rope and cables and worn out articles of twine, cordage, rope or cables of textile
    - sorted
    - other
- B3040 Rubber wastes  
The following materials, provided they are not mixed with other wastes:
- Waste and scrap of hard rubber (e.g. ebonite)
  - Other rubber wastes (excluding such wastes specified elsewhere)
- B3050 Untreated cork and wood waste:
- Wood waste and scrap, whether or not agglomerated in logs, briquettes, pellets or similar forms
  - Cork waste: crushed, granulated or ground cork

- B3060 Wastes arising from agro-food industries provided it is not infectious:
- Wine lees
  - Dried and sterilized vegetable waste, residues and byproducts, whether or not in the form of pellets, or a kind used in animal feeding, not elsewhere specified or included
  - Degras: residues resulting from the treatment of fatty substances or animal or vegetable waxes
  - Waste of bones and horn-cores, unworked, defatted, simply prepared (but not cut to shape), treated with acid or degelatinised
  - Fish waste
  - Cocoa shells, husks, skins and other cocoa waste
  - Other wastes from the agro-food industry excluding by-products which meet national and international requirements and standards for human or animal consumption
- B3070 The following wastes:
- Waste of human hair
  - Waste straw
  - Deactivated fungus mycelium from penicillin production to be used as animal feed
- B3080 Waste parings and scrap of rubber
- B3090 Paring and other wastes of leather or of composition leather not suitable for the manufacture of leather articles, excluding leather sludges, not containing hexavalent chromium compounds and biocides (note the related entry on list A, A3100)
- B3100 Leather dust, ash, sludges or flours not containing hexavalent chromium compounds or biocides (note the related entry on list A, A3090)
- B3110 Fellmongery wastes not containing hexavalent chromium compounds or biocides or infectious substances (note the related entry on list A, A3110)
- B3120 Wastes consisting of food dyes
- B3130 Waste polymer ethers and waste non-hazardous monomer ethers incapable of forming peroxides
- B3140 Waste pneumatic tyres, excluding those destined for Annex IV.A operations
- B4 Wastes which may contain either inorganic or organic constituents**
- B4010 Wastes consisting mainly of water-based/latex paints, inks and hardened varnishes not containing organic solvents, heavy metals or biocides to an extent to render them hazardous (note the related entry on list A, A4070)
- B4020 Wastes from production, formulation and use of resins, latex, plasticizers, glues/adhesives, not listed on list A, free of solvents and other contaminants to an extent that they do not exhibit Annex III characteristics, e.g. water based, or glues based on casein starch, dextrin, cellulose ethers, polyvinyl alcohols (note the related entry on list A, A3050)
- B4030 Used single use cameras, with batteries not included on list A

## PART 2

Wastes listed in the Annex to Commission Decision 2000/532/EC, as amended. Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 91/689/EEC on hazardous waste <sup>(15)</sup>.

**01 WASTES 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\* wastes 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 wastes from stone cutting and sawing other than those mentioned in 01 04 07

01 04 99 wastes not otherwise specified

**01 05 drilling muds and other drilling wastes**

01 05 04 fresh-water 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

<sup>(15)</sup> When identifying a waste in the list below, the introduction to the Annex of Commission Decision 2000/532/EC as amended is relevant.

<b>02</b>	<b>WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING</b>
<b>02 01</b>	<b>wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing</b>
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	wastes 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
<b>02 02</b>	<b>wastes from the preparation and processing of meat, fish and other foods of animal origin</b>
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	wastes not otherwise specified
<b>02 03</b>	<b>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</b>
02 03 01	sludges from washing, cleaning, peeling, centrifuging and separation
02 03 02	wastes 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
<b>02 04</b>	<b>wastes from sugar processing</b>
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
02 04 99	wastes not otherwise specified
<b>02 05</b>	<b>wastes from the dairy products industry</b>
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 wastes 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 wastes 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 (e.g. 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 wastes 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
<b>05 07</b>	<b>wastes 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*	hydrofluoric 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 solutions 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 substances
06 05 03	sludges from on-site 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

- 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, e.g. contact acid
  - 06 07 99 wastes not otherwise specified
- 06 08 wastes from the MFSU of silicon and silicon derivatives**
- 06 08 02\* wastes containing dangerous chlorosilanes
  - 06 08 99 wastes not otherwise specified
- 06 09 wastes from the MFSU of phosphorous chemicals and phosphorous chemical processes**
- 06 09 02 phosphorous 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
- 06 10 wastes from the MFSU of nitrogen chemicals, nitrogen chemical processes and fertiliser manufacture**
- 06 10 02\* wastes containing dangerous substances
  - 06 10 99 wastes not otherwise specified
- 06 11 wastes from the manufacture of inorganic pigments and opacifiers**
- 06 11 01 calcium-based reaction wastes from titanium dioxide production
  - 06 11 99 wastes not otherwise specified
- 06 13 wastes from inorganic chemical processes not otherwise specified**
- 06 13 01\* inorganic plant protection products, wood-preserving agents and other biocides.
  - 06 13 02\* spent activated carbon (except 06 07 02)
  - 06 13 03 carbon black
  - 06 13 04\* wastes from asbestos processing
  - 06 13 05\* soot
  - 06 13 99 wastes not otherwise specified
- 07 WASTES FROM ORGANIC CHEMICAL PROCESSES**
- 07 01 wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals**
- 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

**07 02 wastes from the MFSU of plastics, synthetic rubber and man-made fibres**

- 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\* wastes 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 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

- 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
<b>08 02</b>	<b>wastes from MFSU of other coatings (including ceramic materials)</b>
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
<b>08 03</b>	<b>wastes from MFSU of printing inks</b>
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
<b>08 04</b>	<b>wastes from MFSU of adhesives and sealants (including waterproofing products)</b>
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 from 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\* fixer 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 wastes from cooling-water treatment other than those mentioned in 10 02 11

10 02 13\* sludges and filter cakes from gas treatment containing dangerous substances

10 02 14 sludges and filter cakes from gas treatment other than those mentioned in 10 02 13

10 02 15 other sludges and filter cakes

10 02 99 wastes not otherwise specified

**10 03 wastes from aluminium thermal metallurgy**

10 03 02 anode scraps

10 03 04\* primary production slags

10 03 05 waste alumina

10 03 08\* salt slags from secondary production

10 03 09\* black drosses from secondary production

10 03 15\* skimmings that are flammable or emit, upon contact with water, flammable gases in dangerous quantities

10 03 16 skimmings other than those mentioned in 10 03 15

10 03 17\* tar-containing wastes from anode manufacture

10 03 18 carbon-containing wastes 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\* wastes 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 wastes from cooling-water treatment other than those mentioned in 10 04 09
- 10 04 99 wastes not otherwise specified

**10 05 wastes from zinc thermal metallurgy**

- 10 05 01 slags from primary and secondary production
- 10 05 03\* flue-gas dust
- 10 05 04 other particulates and dust
- 10 05 05\* solid waste from gas treatment
- 10 05 06\* sludges and filter cakes from gas treatment
- 10 05 08\* wastes from cooling-water treatment containing oil
- 10 05 09 wastes from cooling-water treatment other than those mentioned in 10 05 08
- 10 05 10\* dross and skimmings that are flammable or emit, upon contact with water, flammable gases in dangerous quantities
- 10 05 11 dross and skimmings other than those mentioned in 10 05 10
- 10 05 99 wastes not otherwise specified

**10 06 wastes from copper thermal metallurgy**

- 10 06 01 slags from primary and secondary production
- 10 06 02 dross and skimmings from primary and secondary production
- 10 06 03\* flue-gas dust
- 10 06 04 other particulates and dust
- 10 06 06\* solid wastes from gas treatment
- 10 06 07\* sludges and filter cakes from gas treatment
- 10 06 09\* wastes from cooling-water treatment containing oil
- 10 06 10 wastes from cooling-water treatment other than those mentioned in 10 06 09
- 10 06 99 wastes not otherwise specified

**10 07 wastes from silver, gold and platinum thermal metallurgy**

- 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 particulates and dust
- 10 07 05 sludges and filter cakes from gas treatment
- 10 07 07\* wastes from cooling-water treatment containing oil
- 10 07 08 wastes from cooling-water treatment other than those mentioned in 10 07 07
- 10 07 99 wastes not otherwise specified



**10 08 wastes from other non-ferrous thermal metallurgy**

- 10 08 04 particulates and dust
- 10 08 08\* salt slag from primary and secondary production
- 10 08 09 other slags
- 10 08 10\* dross and skimmings that are flammable or emit, upon 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 wastes 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
- 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 (e.g. 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 molds
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
<b>10 13</b>	<b>wastes from manufacture of cement, lime and plaster and articles and products made from them</b>
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 HYDROMETALLURGY**
- 11 01 wastes from chemical surface treatment and coating of metals and other materials (eg. galvanic processes, zinc coating processes, pickling processes, etching, phosphatising, 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 wastes from non-ferrous hydrometallurgical processes**
- 11 02 02\* sludges from zinc hydrometallurgy (incl. 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\* wastes 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>(16)</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

<sup>(16)</sup> For the purpose of this list of wastes, PCBs will be defined as in Directive 96/59/EC

**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
- 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
- 13 05 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 (e.g. asbestos), including empty pressure containers
  - 15 02 absorbents, filter materials, wiping cloths and protective clothing**
    - 15 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 (e.g. air bags)
    - 16 01 11\* brake pads containing asbestos
    - 16 01 12 brake pads other than those mentioned in 16 01 11
    - 16 01 13\* brake fluids
    - 16 01 14\* antifreeze fluids containing dangerous substances
    - 16 01 15 antifreeze fluids other than those mentioned in 16 01 14
    - 16 01 16 tanks for liquefied gas
    - 16 01 17 ferrous metal
    - 16 01 18 non-ferrous metal
    - 16 01 19 plastic
    - 16 01 20 glass

- 16 01 21\* hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14
- 16 01 22 components not otherwise specified
- 16 01 99 wastes not otherwise specified

**16 02 wastes from electrical and electronic equipment**

- 16 02 09\* transformers and capacitors containing PCBs
- 16 02 10\* discarded equipment containing or contaminated by PCBs other than those mentioned in 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>(17)</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

**16 03 off-specification batches and unused products**

- 16 03 03\* inorganic wastes containing dangerous substances
- 16 03 04 inorganic wastes other than those mentioned in 16 03 03
- 16 03 05\* organic wastes containing dangerous substances
- 16 03 06 organic wastes other than those mentioned in 16 03 05

**16 04 waste explosives**

- 16 04 01\* waste ammunition
- 16 04 02\* fireworks wastes
- 16 04 03\* other waste explosives

**16 05 gases in pressure containers and discarded chemicals**

- 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

**16 06 batteries and accumulators**

- 16 06 01\* lead batteries
- 16 06 02\* Ni-Cd batteries
- 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

<sup>(17)</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 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>(18)</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, e.g. potassium permanganate
- 16 09 02\* chromates, e.g. potassium chromate, potassium or sodium dichromate
- 16 09 03\* peroxides, e.g. 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 others than those 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 others 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

<sup>(18)</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.



- 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 mixtures 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 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 in 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
  
- 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 wastes**
- 17 09 01\* construction and demolition wastes containing mercury
- 17 09 02\* construction and demolition wastes containing PCB (e.g. 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 (e.g. 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 01 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
<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

<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 short, middle or long term.

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
<b>19 09</b>	<b>wastes from the preparation of water intended for human consumption or water for industrial use</b>
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
<b>19 10</b>	<b>wastes from shredding of metal-containing wastes</b>
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
<b>19 11</b>	<b>wastes from oil regeneration</b>
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
<b>19 12</b>	<b>wastes from the mechanical treatment of waste (e.g. sorting, crushing, compacting, pelletising) not otherwise specified</b>
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 (e.g. 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
<b>20 02</b>	<b>garden and park wastes (including cemetery waste)</b>
20 02 01	biodegradable waste
20 02 02	soil and stones
20 02 03	other non-biodegradable wastes
<b>20 03</b>	<b>other municipal wastes</b>
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

<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.

## PART 3

Waste from Appendix 4, Part II of Decision C(2001) 107 of the OECD Council on the Revision of Decision C(92) 39/Final on the Control of Transboundary Movements of Wastes Destined for Recovery Operations. The wastes numbered AB 130, AC 250, AC 260 and AC 270 have been deleted since they have been considered, in accordance with the procedure laid down in Article 18 of Directive 75/442/EEC, to be non-hazardous and therefore not subject to the export ban laid down in Article 16(1).

**METAL BEARING WASTES**

<b>AA 010</b>	2619 00	Dross, scalings and other wastes from the manufacture of iron and steel <sup>(22)</sup>
<b>AA 060</b>	2620 50	Vanadium ashes and residues
<b>AA 190</b>	8104 20 ex 8104 30	Magnesium waste and scrap that is flammable, pyrophoric or emits, upon contact with water, flammable gases in dangerous quantities

**WASTES CONTAINING PRINCIPALLY INORGANIC CONSTITUENTS, WHICH MAY CONTAIN METALS AND ORGANIC MATERIALS**

<b>AB 030</b>		Wastes from non-cyanide based systems which arise from surface treatment of metals
<b>AB 070</b>		Sands used in foundry operations
<b>AB 120</b>	ex 2812 90 ex 3824	Inorganic halide compounds, not elsewhere specified or included
<b>AB 150</b>	ex 3824 90	Unrefined calcium sulphite and calcium sulphate from flue gas desulphurisation (FGD)

**WASTES CONTAINING PRINCIPALLY ORGANIC CONSTITUENTS, WHICH MAY CONTAIN METALS AND INORGANIC MATERIALS**

<b>AC 020</b>		Bituminous materials (asphalt waste) not elsewhere specified or included
<b>AC 060</b>	ex 3819 00	Hydraulic fluids
<b>AC 070</b>	ex 3819 00	Brake fluids
<b>AC 080</b>	ex 3820 00	Antifreeze fluids
<b>AC 150</b>		Chlorofluorocarbons
<b>AC 160</b>		Halons
<b>AC 170</b>	ex 4403 10	Treated cork and wood wastes

**WASTES WHICH MAY CONTAIN EITHER INORGANIC OR ORGANIC CONSTITUENTS**

<b>AD 090</b>	ex 3824 90	Wastes from production, formulation and use of reprographic and photographic chemicals and materials not elsewhere specified or included
<b>AD 100</b>		Wastes from non-cyanide based systems which arise from surface treatment of plastics
<b>AD 120</b>	ex 3914 00 ex 3915	Ion exchange resins
<b>AD 150</b>		Naturally occurring organic material used as a filter medium (such as bio-filters)

**WASTES CONTAINING PRINCIPALLY INORGANIC CONSTITUENTS, WHICH MAY CONTAIN METALS AND ORGANIC MATERIALS**

<b>RB 020</b>	ex 6815	Ceramic based fibres of physico-chemical characteristics similar to those of asbestos'
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<sup>(22)</sup> This listing includes wastes in the form of ash, residue, slag, dross, skimming, scaling, dust, powder, sludge and cake, unless a material is expressly listed elsewhere.