

Appendix A – European Waste Catalogue

The aim of this appendix is to provide guidance on the use of European Waste Catalogue (EWC 2002). It reproduces the EWC 2002 in full, including amendments, with the “*absolute entries*” highlighted in red and the “*mirror entries*” highlighted in blue, to help determine if threshold limits need to be used in the assessment of a particular waste.

“*Absolute Entries*” - Hazardous waste regardless of any threshold concentrations: A

“*Mirror Entries*” - Hazardous waste only if dangerous substances are present above threshold concentrations: M

Using the EWC 2002

The EWC 2002 details a series of steps for identifying wastes in the catalogue and determining whether a waste is covered by a hazardous waste entry. Wastes in the catalogue are listed according to individual six-digit codes. The full description of a waste includes the two-digit and four-digit chapter headings, which identify generic sources and types of waste. Set out below are the steps to be followed when using the catalogue:

Step 1 Identification by Waste Source

First consider the entries in Chapters 01 to 12 and 17 to 20 and select the appropriate six-digit code. However it should be noted that:

- six-digit codes ending “99” (which represents “wastes not otherwise specified” under a particular two-digit and four-digit code) should not be used at this stage and are only to be used if no other code applies to a waste (Step 3 below)
- certain producers may need to look in more than one of these Chapters if their activity has a number of different process
- separately collected packaging waste should be classified under 15 01 and not 20 01



Step 2 Identification by Waste Type

If a suitable waste code cannot be found in Chapters 01 to 12 and 17 to 20, an appropriate six-digit code from Chapters 13 to 15 should be used.



Step 3 Waste not otherwise specified

If a suitable waste code can not be found in Chapters 13 to 15, a six-digit code from Chapter 16 should be used to identify the waste.

Only if no suitable six-digit code can be found in Chapter 16 should a six-digit code ending “99” in Chapters 01 to 12 and 17 to 20 be used.



Step 4 Hazardous Waste Entries

Any waste whose six-digit code is marked with an asterisk (*) is a hazardous waste, however there are two types of hazardous waste entries in the catalogue:

“Absolute entries”:

Those entries with an asterisk (*) **and without** a specific or general reference to “*dangerous substances*”. Wastes covered under these entries are hazardous waste regardless of the concentration of any “*dangerous substance*” within the waste. “*Absolute entries*” are highlighted in red and marked with an “A”.

“Mirror entries”:

Those entries with an asterisk (*) **and with** a specific or general reference to “*dangerous substances*”, which are generally identified by the word “*containing*” in the description and have a corresponding entry without an asterisk (*). For example:

Example of a general reference to dangerous substances:

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

Example of a specific reference to dangerous substances:

06 06 02* wastes containing dangerous sulphides
06 06 03 wastes containing sulphides other than those mentioned in 06 06 02

These “*mirror entries*” cover wastes that have the potential to be either hazardous or non-hazardous depending on their actual composition and the concentrations of “*dangerous substances*” within the waste.

The “*dangerous substances*” within these wastes need to be assessed to determine if a particular waste is hazardous or non-hazardous. For “*mirror entries*” with specific references to “*dangerous substances*”, only the named “*dangerous substance(s)*” needs to be assessed.

Threshold concentrations for the hazardous properties H3 to H8, H10 and H11 are set out in Article 2 of the EWC 2002, with the threshold concentrations for the other hazardous properties set out in Chapter 3 and Appendix C of this document.

“*Mirror entries*” are highlighted in blue and marked with an “M”.

Note: Some entries in the EWC 2002 make reference to “*dangerous substances*” and the only alternative entries are “*absolute entries*”, for example entries under 11 03. In such case the entry has been identified as an “*absolute entry*”.

APPENDIX A: CONSOLIDATED EUROPEAN WASTE CATALOGUE

“Absolute Entries” (hazardous waste regardless of any threshold concentrations):

A

“Mirror Entries” (hazardous waste only if dangerous substances are present above threshold concentrations):

M

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

A

01 03 05* other tailings containing dangerous substances

M

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

M

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

M

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 freshwater drilling muds and wastes

01 05 05* oil-containing drilling muds and wastes

M

01 05 06* drilling muds and other drilling wastes containing dangerous substances

M

01 05 07 barite-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06

01 05 08 chloride-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06

01 05 99 wastes not otherwise specified

02 WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING

02 01 wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing

02 01 01 sludges from washing and cleaning

02 01 02 animal-tissue waste

02 01 03 plant-tissue waste

02 01 04 waste plastics (except packaging)

02 01 06 animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site

02 01 07 wastes from forestry

02 01 08* agrochemical waste containing dangerous substances

M

02 01 09 agrochemical waste other than those mentioned in 02 01 08

02 01 10 waste metal

02 01 99 wastes not otherwise specified

02 02 wastes from the preparation and processing of meat, fish and other foods of animal origin

02 02 01 sludges from washing and cleaning

02 02 02 animal-tissue waste

02 02 03 materials unsuitable for consumption or processing

02 02 04 sludges from on-site effluent treatment

02 02 99 wastes not otherwise specified

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M

02 03	wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation	
02 03 01	sludges from washing, cleaning, peeling, centrifuging and separation	
02 03 02	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	
02 04	wastes from sugar processing	
02 04 01	soil from cleaning and washing beet	
02 04 02	off-specification calcium carbonate	
02 04 03	sludges from on-site effluent treatment	
02 04 99	wastes not otherwise specified	
02 05	wastes from the dairy products industry	
02 05 01	materials unsuitable for consumption or processing	
02 05 02	sludges from on-site effluent treatment	
02 05 99	wastes not otherwise specified	
02 06	wastes from the baking and confectionery industry	
02 06 01	materials unsuitable for consumption or processing	
02 06 02	wastes from preserving agents	
02 06 03	sludges from on-site effluent treatment	
02 06 99	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	M
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	A
03 02 02*	organochlorinated wood preservatives	A
03 02 03*	organometallic wood preservatives	A
03 02 04*	inorganic wood preservatives	A
03 02 05*	other wood preservatives containing dangerous substances	M
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	

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“Absolute Entries” (hazardous waste regardless of any threshold concentrations):

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“Mirror Entries” (hazardous waste only if dangerous substances are present above threshold concentrations):

M

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 M
- 04 01 04 tanning liquor containing chromium
- 04 01 05 tanning liquor free of chromium
- 04 01 06 sludges, in particular from on-site effluent treatment containing chromium
- 04 01 07 sludges, in particular from on-site effluent treatment free of chromium
- 04 01 08 waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium
- 04 01 09 wastes from dressing and finishing
- 04 01 99 wastes not otherwise specified.

04 02 wastes from the textile industry

- 04 02 09 wastes from composite materials (impregnated textile, elastomer, plastomer)
- 04 02 10 organic matter from natural products (for example grease, wax)
- 04 02 14* wastes from finishing containing organic solvents M
- 04 02 15 wastes from finishing other than those mentioned in 04 02 14
- 04 02 16* dyestuffs and pigments containing dangerous substances M
- 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 M
- 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 A
- 05 01 03* tank bottom sludges A
- 05 01 04* acid alkyl sludges A
- 05 01 05* oil spills A
- 05 01 06* oily sludges from maintenance operations of the plant or equipment A
- 05 01 07* acid tars A
- 05 01 08* other tars A
- 05 01 09* sludges from on-site effluent treatment containing dangerous substances M
- 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 A
- 05 01 12* oil containing acids M
- 05 01 13 boiler feedwater sludges
- 05 01 14 wastes from cooling columns
- 05 01 15* spent filter clays A
- 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 A
- 05 06 03* other tars A
- 05 06 04 waste from cooling columns
- 05 06 99 wastes not otherwise specified

05 07 wastes from natural gas purification and transportation

- 05 07 01* wastes containing mercury M
- 05 07 02 wastes containing sulphur
- 05 07 99 wastes not otherwise specified

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“Mirror Entries” (hazardous waste only if dangerous substances are present above threshold concentrations): M

06	WASTES FROM INORGANIC CHEMICAL PROCESSES	
06 01	wastes from the manufacture, formulation, supply and use (MFSU) of acids	
06 01 01*	sulphuric acid and sulphurous acid	A
06 01 02*	hydrochloric acid	A
06 01 03*	hydrofluoric acid	A
06 01 04*	phosphoric and phosphorous acid	A
06 01 05*	nitric acid and nitrous acid	A
06 01 06*	other acids	A
06 01 99	wastes not otherwise specified	
06 02	wastes from the MFSU of bases	
06 02 01*	calcium hydroxide	A
06 02 03*	ammonium hydroxide	A
06 02 04*	sodium and potassium hydroxide	A
06 02 05*	other bases	A
06 02 99	wastes not otherwise specified	
06 03	wastes from the MFSU of salts and their solutions and metallic oxides	
06 03 11*	solid salts and solutions containing cyanides	M
06 03 13*	solid salts and solutions containing heavy metals	M
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	M
06 03 16	metallic oxides other than those mentioned in 06 03 15	
06 03 99	wastes not otherwise specified	
06 04	metal-containing wastes other than those mentioned in 06 03	
06 04 03*	wastes containing arsenic	M
06 04 04*	wastes containing mercury	M
06 04 05*	wastes containing other heavy metals	M
06 04 99	wastes not otherwise specified	
06 05	sludges from on-site effluent treatment	
06 05 02*	sludges from on-site effluent treatment containing dangerous substances	M
06 05 03	sludges from on-site effluent treatment other than those mentioned in 06 05 02	
06 06	wastes from the MFSU of sulphur chemicals, sulphur chemical processes and desulphurisation processes	
06 06 02*	wastes containing dangerous sulphides	M
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	M
06 07 02*	activated carbon from chlorine production	A
06 07 03*	barium sulphate sludge containing mercury	M
06 07 04*	solutions and acids, for example contact acid	A
06 07 99	wastes not otherwise specified	
06 08	wastes from the MFSU of silicon and silicon derivatives	
06 08 02*	wastes containing dangerous silicones	M
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	M
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	M
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	

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	<i>“Absolute Entries”</i> (hazardous waste regardless of any threshold concentrations):	A
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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.	A
06 13 02*	spent activated carbon (except 06 07 02)	A
06 13 03	carbon black	
06 13 04*	wastes from asbestos processing	A
06 13 05*	soot	A
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	A
07 01 03*	organic halogenated solvents, washing liquids and mother liquors	A
07 01 04*	other organic solvents, washing liquids and mother liquors	A
07 01 07*	halogenated still bottoms and reaction residues	A
07 01 08*	other still bottoms and reaction residues	A
07 01 09*	halogenated filter cakes and spent absorbents	A
07 01 10*	other filter cakes and spent absorbents	A
07 01 11*	sludges from on-site effluent treatment containing dangerous substances	M
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	A
07 02 03*	organic halogenated solvents, washing liquids and mother liquors	A
07 02 04*	other organic solvents, washing liquids and mother liquors	A
07 02 07*	halogenated still bottoms and reaction residues	A
07 02 08*	other still bottoms and reaction residues	A
07 02 09*	halogenated filter cakes and spent absorbents	A
07 02 10*	other filter cakes and spent absorbents	A
07 02 11*	sludges from on-site effluent treatment containing dangerous substances	M
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	M
07 02 15	wastes from additives other than those mentioned in 07 02 14	
07 02 16*	wastes containing dangerous silicones	M
07 02 17	wastes 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	A
07 03 03*	organic halogenated solvents, washing liquids and mother liquors	A
07 03 04*	other organic solvents, washing liquids and mother liquors	A
07 03 07*	halogenated still bottoms and reaction residues	A
07 03 08*	other still bottoms and reaction residues	A
07 03 09*	halogenated filter cakes and spent absorbents	A
07 03 10*	other filter cakes and spent absorbents	A
07 03 11*	sludges from on-site effluent treatment containing dangerous substances	M
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	A
07 04 03*	organic halogenated solvents, washing liquids and mother liquors	A
07 04 04*	other organic solvents, washing liquids and mother liquors	A
07 04 07*	halogenated still bottoms and reaction residues	A
07 04 08*	other still bottoms and reaction residues	A

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	<i>“Absolute Entries”</i> (hazardous waste regardless of any threshold concentrations):	A
	<i>“Mirror Entries”</i> (hazardous waste only if dangerous substances are present above threshold concentrations):	M
07 04 09*	halogenated filter cakes and spent absorbents	A
07 04 10*	other filter cakes and spent absorbents	A
07 04 11*	sludges from on-site effluent treatment containing dangerous substances	M
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	M
07 04 99	wastes not otherwise specified	
07 05	wastes from the MFSU of pharmaceuticals	
07 05 01*	aqueous washing liquids and mother liquors	A
07 05 03*	organic halogenated solvents, washing liquids and mother liquors	A
07 05 04*	other organic solvents, washing liquids and mother liquors	A
07 05 07*	halogenated still bottoms and reaction residues	A
07 05 08*	other still bottoms and reaction residues	A
07 05 09*	halogenated filter cakes and spent absorbents	A
07 05 10*	other filter cakes and spent absorbents	A
07 05 11*	sludges from on-site effluent treatment containing dangerous substances	M
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	M
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	A
07 06 03*	organic halogenated solvents, washing liquids and mother liquors	A
07 06 04*	other organic solvents, washing liquids and mother liquors	A
07 06 07*	halogenated still bottoms and reaction residues	A
07 06 08*	other still bottoms and reaction residues	A
07 06 09*	halogenated filter cakes and spent absorbents	A
07 06 10*	other filter cakes and spent absorbents	A
07 06 11*	sludges from on-site effluent treatment containing dangerous substances	M
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	A
07 07 03*	organic halogenated solvents, washing liquids and mother liquors	A
07 07 04*	other organic solvents, washing liquids and mother liquors	A
07 07 07*	halogenated still bottoms and reaction residues	A
07 07 08*	other still bottoms and reaction residues	A
07 07 09*	halogenated filter cakes and spent absorbents	A
07 07 10*	other filter cakes and spent absorbents	A
07 07 11*	sludges from on-site effluent treatment containing dangerous substances	M
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	M
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	M
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	M
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	M
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	M

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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	A
08 01 99	wastes not otherwise specified	
08 02	wastes from MFSU of other coatings (including ceramic materials)	
08 02 01	waste coating powders	
08 02 02	aqueous sludges containing ceramic materials	
08 02 03	aqueous suspensions containing ceramic materials	
08 02 99	wastes not otherwise specified	
08 03	wastes from MFSU of printing inks	
08 03 07	aqueous sludges containing ink	
08 03 08	aqueous liquid waste containing ink	
08 03 12*	waste ink containing dangerous substances	M
08 03 13	waste ink other than those mentioned in 08 03 12	
08 03 14*	ink sludges containing dangerous substances	M
08 03 15	ink sludges other than those mentioned in 08 03 14	
08 03 16*	waste etching solutions	A
08 03 17*	waste printing toner containing dangerous substances	M
08 03 18	waste printing toner other than those mentioned in 08 03 17	
08 03 19*	disperse oil	A
08 03 99	wastes not otherwise specified	
08 04	wastes from MFSU of adhesives and sealants (including waterproofing products)	
08 04 09*	waste adhesives and sealants containing organic solvents or other dangerous substances	M
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	M
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	M
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	M
08 04 16	aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15	
08 04 17*	rosin oil	A
08 04 99	wastes not otherwise specified	
08 05	wastes not otherwise specified in 08	
08 05 01*	waste isocyanates	A
09	WASTES FROM THE PHOTOGRAPHIC INDUSTRY	
09 01	wastes from the photographic industry	
09 01 01*	water-based developer and activator solutions	A
09 01 02*	water-based offset plate developer solutions	A
09 01 03*	solvent-based developer solutions	A
09 01 04*	fixer solutions	A
09 01 05*	bleach solutions and bleach fixer solutions	A
09 01 06*	wastes containing silver from on-site treatment of photographic wastes	M
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	M
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	A
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	

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10 01 03	fly ash from peat and untreated wood	
10 01 04*	oil fly ash and boiler dust	A
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	A
10 01 13*	fly ash from emulsified hydrocarbons used as fuel	A
10 01 14*	bottom ash, slag and boiler dust from co-incineration containing dangerous substances	M
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	M
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	M
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	M
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	M
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	M
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	M
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	M
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	A
10 03 05	waste alumina	
10 03 08*	salt slags from secondary production	A
10 03 09*	black drosses from secondary production	A
10 03 15*	skimings that are flammable or emit, upon contact with water, flammable gases in dangerous quantities	M
10 03 16	skimings other than those mentioned in 10 03 15	
10 03 17*	tar-containing wastes from anode manufacture	M
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	M
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	M
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	M
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	M
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	M
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	M
10 03 30	wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29	

APPENDIX A: CONSOLIDATED EUROPEAN WASTE CATALOGUE

“Absolute Entries” (hazardous waste regardless of any threshold concentrations): A

“Mirror Entries” (hazardous waste only if dangerous substances are present above threshold concentrations): M

10 03 99	wastes not otherwise specified	
10 04	wastes from lead thermal metallurgy	
10 04 01*	slags from primary and secondary production	A
10 04 02*	dross and skimmings from primary and secondary production	A
10 04 03*	calcium arsenate	A
10 04 04*	flue-gas dust	A
10 04 05*	other particulates and dust	A
10 04 06*	solid wastes from gas treatment	A
10 04 07*	sludges and filter cakes from gas treatment	A
10 04 09*	wastes from cooling-water treatment containing oil	M
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	A
10 05 04	other particulates and dust	
10 05 05*	solid waste from gas treatment	A
10 05 06*	sludges and filter cakes from gas treatment	A
10 05 08*	wastes from cooling-water treatment containing oil	M
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	M
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	A
10 06 04	other particulates and dust	
10 06 06*	solid wastes from gas treatment	A
10 06 07*	sludges and filter cakes from gas treatment	A
10 06 09*	wastes from cooling-water treatment containing oil	M
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	M
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	A
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	M
10 08 11	dross and skimmings other than those mentioned in 10 08 10	
10 08 12*	tar-containing wastes from anode manufacture	M
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	M
10 08 16	flue-gas dust other than those mentioned in 10 08 15	

APPENDIX A: CONSOLIDATED EUROPEAN WASTE CATALOGUE

	<i>“Absolute Entries” (hazardous waste regardless of any threshold concentrations):</i>	A
	<i>“Mirror Entries” (hazardous waste only if dangerous substances are present above threshold concentrations):</i>	M
10 08 17*	sludges and filter cakes from flue-gas treatment containing dangerous substances	M
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	M
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	M
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	M
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	M
10 09 10	flue-gas dust other than those mentioned in 10 09 09	
10 09 11*	other particulates containing dangerous substances	M
10 09 12	other particulates other than those mentioned in 10 09 11	
10 09 13*	waste binders containing dangerous substances	M
10 09 14	waste binders other than those mentioned in 10 09 13	
10 09 15*	waste crack-indicating agent containing dangerous substances	M
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	M
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	M
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	M
10 10 10	flue-gas dust other than those mentioned in 10 10 09	
10 10 11*	other particulates containing dangerous substances	M
10 10 12	other particulates other than those mentioned in 10 10 11	
10 10 13*	waste binders containing dangerous substances	M
10 10 14	waste binders other than those mentioned in 10 10 13	
10 10 15*	waste crack-indicating agent containing dangerous substances	M
10 10 16	waste crack-indicating agent other than those mentioned in 10 10 15	
10 10 99	wastes not otherwise specified	
10 11	wastes from manufacture of glass and glass products	
10 11 03	waste glass-based fibrous materials	
10 11 05	particulates and dust	
10 11 09*	waste preparation mixture before thermal processing, containing dangerous substances	M
10 11 10	waste preparation mixture before thermal processing, other than those mentioned in 10 11 09	
10 11 11*	waste glass in small particles and glass powder containing heavy metals (for example from cathode ray tubes)	M
10 11 12	waste glass other than those mentioned in 10 11 11	
10 11 13*	glass-polishing and -grinding sludge containing dangerous substances	M
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	M
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	M
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	M
10 11 20	solid wastes from on-site effluent treatment other than those mentioned in 10 11 19	
10 11 99	wastes not otherwise specified	
10 12	wastes from manufacture of ceramic goods, bricks, tiles and construction products	
10 12 01	waste preparation mixture before thermal processing	
10 12 03	particulates and dust	

APPENDIX A: CONSOLIDATED EUROPEAN WASTE CATALOGUE

	<i>“Absolute Entries” (hazardous waste regardless of any threshold concentrations):</i>	A
	<i>“Mirror Entries” (hazardous waste only if dangerous substances are present above threshold concentrations):</i>	M
10 12 05	sludges and filter cakes from gas treatment	
10 12 06	discarded moulds	
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)	
10 12 09*	solid wastes from gas treatment containing dangerous substances	M
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	M
10 12 12	wastes from glazing other than those mentioned in 10 12 11	
10 12 13	sludge from on-site effluent treatment	
10 12 99	wastes not otherwise specified	
10 13	wastes from manufacture of cement, lime and plaster and articles and products made from them	
10 13 01	waste preparation mixture before thermal processing	
10 13 04	wastes from calcination and hydration of lime	
10 13 06	particulates and dust (except 10 13 12 and 10 13 13)	
10 13 07	sludges and filter cakes from gas treatment	
10 13 09*	wastes from asbestos-cement manufacture containing asbestos	M
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	M
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	M
11	WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY	
11 01	wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphatising, alkaline degreasing, anodising)	
11 01 05*	pickling acids	A
11 01 06*	acids not otherwise specified	A
11 01 07*	pickling bases	A
11 01 08*	phosphatising sludges	A
11 01 09*	sludges and filter cakes containing dangerous substances	M
11 01 10	sludges and filter cakes other than those mentioned in 11 01 09	
11 01 11*	aqueous rinsing liquids containing dangerous substances	M
11 01 12	aqueous rinsing liquids other than those mentioned in 11 01 11	
11 01 13*	degreasing wastes containing dangerous substances	M
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	M
11 01 16*	saturated or spent ion exchange resins	A
11 01 98*	other wastes containing dangerous substances	M
11 01 99	wastes not otherwise specified	
11 02	wastes from non-ferrous hydrometallurgical processes	
11 02 02*	sludges from zinc hydrometallurgy (including jarosite, goethite)	A
11 02 03	wastes from the production of anodes for aqueous electrolytical processes	
11 02 05*	wastes from copper hydrometallurgical processes containing dangerous substances	M
11 02 06	wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05	
11 02 07*	other wastes containing dangerous substances	M
11 02 99	wastes not otherwise specified	
11 03	sludges and solids from tempering processes	
11 03 01*	wastes containing cyanide	A
11 03 02*	other wastes	A
11 05	wastes from hot galvanising processes	
11 05 01	hard zinc	

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	<i>“Absolute Entries”</i> (hazardous waste regardless of any threshold concentrations):	A
	<i>“Mirror Entries”</i> (hazardous waste only if dangerous substances are present above threshold concentrations):	M
11 05 02	zinc ash	
11 05 03*	solid wastes from gas treatment	A
11 05 04*	spent flux	A
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)	A
12 01 07*	mineral-based machining oils free of halogens (except emulsions and solutions)	A
12 01 08*	machining emulsions and solutions containing halogens	A
12 01 09*	machining emulsions and solutions free of halogens	A
12 01 10*	synthetic machining oils	A
12 01 12*	spent waxes and fats	A
12 01 13	welding wastes	
12 01 14*	machining sludges containing dangerous substances	M
12 01 15	machining sludges other than those mentioned in 12 01 14	
12 01 16*	waste blasting material containing dangerous substances	M
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	M
12 01 19*	readily biodegradable machining oil	A
12 01 20*	spent grinding bodies and grinding materials containing dangerous substances	M
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	A
12 03 02*	steam degreasing wastes	A
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 ¹	A
13 01 04*	chlorinated emulsions	A
13 01 05*	non-chlorinated emulsions	A
13 01 09*	mineral-based chlorinated hydraulic oils	A
13 01 10*	mineral based non-chlorinated hydraulic oils	A
13 01 11*	synthetic hydraulic oils	A
13 01 12*	readily biodegradable hydraulic oils	A
13 01 13*	other hydraulic oils	A
13 02	waste engine, gear and lubricating oils	
13 02 04*	mineral-based chlorinated engine, gear and lubricating oils	A
13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils	A
13 02 06*	synthetic engine, gear and lubricating oils	A
13 02 07*	readily biodegradable engine, gear and lubricating oils	A
13 02 08*	other engine, gear and lubricating oils	A
13 03	waste insulating and heat transmission oils	
13 03 01*	insulating or heat transmission oils containing PCBs	A
13 03 06*	mineral-based chlorinated insulating and heat transmission oils other than those mentioned in 13 03 01	A

¹ For the purpose of this list of wastes, PCBs will be defined as in Directive 96/59/EC.

APPENDIX A: CONSOLIDATED EUROPEAN WASTE CATALOGUE

<i>“Absolute Entries”</i> (hazardous waste regardless of any threshold concentrations):	A
<i>“Mirror Entries”</i> (hazardous waste only if dangerous substances are present above threshold concentrations):	M
13 03 07* mineral-based non-chlorinated insulating and heat transmission oils	A
13 03 08* synthetic insulating and heat transmission oils	A
13 03 09* readily biodegradable insulating and heat transmission oils	A
13 03 10* other insulating and heat transmission oils	A
13 04 bilge oils	
13 04 01* bilge oils from inland navigation	A
13 04 02* bilge oils from jetty sewers	A
13 04 03* bilge oils from other navigation	A
13 05 oil/water separator contents	
13 05 01* solids from grit chambers and oil/water separators	A
13 05 02* sludges from oil/water separators	A
13 05 03* interceptor sludges	A
13 05 06* oil from oil/water separators	A
13 05 07* oily water from oil/water separators	A
13 05 08* mixtures of wastes from grit chambers and oil/water separators	A
13 07 wastes of liquid fuels	
13 07 01* fuel oil and diesel	A
13 07 02* petrol	A
13 07 03* other fuels (including mixtures)	A
13 08 oil wastes not otherwise specified	
13 08 01* desalter sludges or emulsions	A
13 08 02* other emulsions	A
13 08 99* wastes not otherwise specified	A
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	A
14 06 02* other halogenated solvents and solvent mixtures	A
14 06 03* other solvents and solvent mixtures	A
14 06 04* sludges or solid wastes containing halogenated solvents	A
14 06 05* sludges or solid wastes containing other solvents	A
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	M
15 01 11* metallic packaging containing a dangerous solid porous matrix (for example asbestos), including empty pressure containers	M
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	M
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	

APPENDIX A: CONSOLIDATED EUROPEAN WASTE CATALOGUE

	“Absolute Entries” (hazardous waste regardless of any threshold concentrations):	A
	“Mirror Entries” (hazardous waste only if dangerous substances are present above threshold concentrations):	M
16 01 04*	end-of-life vehicles	M
16 01 06	end-of-life vehicles, containing neither liquids nor other hazardous components	
16 01 07*	oil filters	A
16 01 08*	components containing mercury	M
16 01 09*	components containing PCBs	M
16 01 10*	explosive components (for example air bags)	M
16 01 11*	brake pads containing asbestos	M
16 01 12	brake pads other than those mentioned in 16 01 11	
16 01 13*	brake fluids	A
16 01 14*	antifreeze fluids containing dangerous substances	M
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	M
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	M
16 02 10*	discarded equipment containing or contaminated by PCBs other than those mentioned in 16 02 09	M
16 02 11*	discarded equipment containing chlorofluorocarbons, HCFC, HFC	M
16 02 12*	discarded equipment containing free asbestos	M
16 02 13*	discarded equipment containing hazardous components ² other than those mentioned in 16 02 09 to 16 02 12	M
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	M
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	M
16 03 04	inorganic wastes other than those mentioned in 16 03 03	
16 03 05*	organic wastes containing dangerous substances	M
16 03 06	organic wastes other than those mentioned in 16 03 05	
16 04	waste explosives	
16 04 01*	waste ammunition	A
16 04 02*	fireworks wastes	A
16 04 03*	other waste explosives	A
16 05	gases in pressure containers and discarded chemicals	
16 05 04*	gases in pressure containers (including halons) containing dangerous substances	M
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	M
16 05 07*	discarded inorganic chemicals consisting of or containing dangerous substances	M
16 05 08*	discarded organic chemicals consisting of or containing dangerous substances	M
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	A
16 06 02*	Ni-Cd batteries	A
16 06 03*	mercury-containing batteries	A
16 06 04	alkaline batteries (except 16 06 03)	

² 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.

APPENDIX A: CONSOLIDATED EUROPEAN WASTE CATALOGUE

	<i>“Absolute Entries”</i> (hazardous waste regardless of any threshold concentrations):	A
	<i>“Mirror Entries”</i> (hazardous waste only if dangerous substances are present above threshold concentrations):	M
16 06 05	other batteries and accumulators	
16 06 06*	separately collected electrolyte from batteries and accumulators	A
16 07	wastes from transport tank, storage tank and barrel cleaning (except 05 and 13)	
16 07 08*	wastes containing oil	M
16 07 09*	wastes containing other dangerous substances	M
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 ³ or dangerous transition metal compounds	M
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	M
16 08 06*	spent liquids used as catalysts	A
16 08 07*	spent catalysts contaminated with dangerous substances	M
16 09	oxidising substances	
16 09 01*	permanganates, for example potassium permanganate	A
16 09 02*	chromates, for example potassium chromate, potassium or sodium dichromate	A
16 09 03*	peroxides, for example hydrogen peroxide	A
16 09 04*	oxidising substances, not otherwise specified	A
16 10	aqueous liquid wastes destined for off-site treatment	
16 10 01*	aqueous liquid wastes containing dangerous substances	M
16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	
16 10 03*	aqueous concentrates containing dangerous substances	M
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	M
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	M
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	M
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	
17 01 03	tiles and ceramics	
17 01 06*	mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing dangerous substances	M
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	M
17 03	bituminous mixtures, coal tar and tarred products	
17 03 01*	bituminous mixtures containing coal tar	M
17 03 02	bituminous mixtures other than those mentioned in 17 03 01	
17 03 03*	coal tar and tarred products	A

³ 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.

APPENDIX A: CONSOLIDATED EUROPEAN WASTE CATALOGUE

“Absolute Entries” (hazardous waste regardless of any threshold concentrations):

A

“Mirror Entries” (hazardous waste only if dangerous substances are present above threshold concentrations):

M

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	M
17 04 10*	cables containing oil, coal tar and other dangerous substances	M
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	M
17 05 04	soil and stones other than those mentioned in 17 05 03	
17 05 05*	dredging spoil containing dangerous substances	M
17 05 06	dredging spoil other than those mentioned in 17 05 05	
17 05 07*	track ballast containing dangerous substances	M
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	M
17 06 03*	other insulation materials consisting of or containing dangerous substances	M
17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03	
17 06 05*	construction materials containing asbestos ⁴	M
17 08	gypsum-based construction material	
17 08 01*	gypsum-based construction materials contaminated with dangerous substances	M
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	M
17 09 02*	construction and demolition wastes containing PCB (for example PCB-containing sealants, PCB-containing resin-based floorings, PCB-containing sealed glazing units, PCB-containing capacitors)	M
17 09 03*	other construction and demolition wastes (including mixed wastes) containing dangerous substances	M
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	M
18 01 04	wastes whose collection and disposal is not subject to special requirements in order to prevent infection(for example dressings, plaster casts, linen, disposable clothing, diapers)	
18 01 06*	chemicals consisting of or containing dangerous substances	M
18 01 07	chemicals other than those mentioned in 18 01 06	
18 01 08*	cytotoxic and cytostatic medicines	M
18 01 09	medicines other than those mentioned in 18 01 08	
18 01 10*	amalgam waste from dental care	A
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	M

⁴ As far as the landfilling of waste is concerned, Member States may decide to postpone the entry into force of this entry until the establishment of appropriate measures for the treatment and disposal of waste from construction material containing asbestos. These measures are to be established according to the procedure referred to in Article 17 of Council Directive 1999/31/EC on the landfill of waste (OJ L 182,16.7.1999,p.1) and shall be adopted by 16 July 2002 at the latest.’

APPENDIX A: CONSOLIDATED EUROPEAN WASTE CATALOGUE

	“Absolute Entries” (hazardous waste regardless of any threshold concentrations):	A
	“Mirror Entries” (hazardous waste only if dangerous substances are present above threshold concentrations):	M
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	M
18 02 06	chemicals other than those mentioned in 18 02 05	
18 02 07*	cytotoxic and cytostatic medicines	M
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	A
19 01 06*	aqueous liquid wastes from gas treatment and other aqueous liquid wastes	A
19 01 07*	solid wastes from gas treatment	A
19 01 10*	spent activated carbon from flue-gas treatment	A
19 01 11*	bottom ash and slag containing dangerous substances	M
19 01 12	bottom ash and slag other than those mentioned in 19 01 11	
19 01 13*	fly ash containing dangerous substances	M
19 01 14	fly ash other than those mentioned in 19 01 13	
19 01 15*	boiler dust containing dangerous substances	M
19 01 16	boiler dust other than those mentioned in 19 01 15	
19 01 17*	pyrolysis wastes containing dangerous substances	M
19 01 18	pyrolysis wastes other than those mentioned in 19 01 17	
19 01 19	sands from fluidised beds	
19 01 99	wastes not otherwise specified	
19 02	wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)	
19 02 03	premixed wastes composed only of non-hazardous wastes	
19 02 04*	premixed wastes composed of at least one hazardous waste	A
19 02 05*	sludges from physico/chemical treatment containing dangerous substances	M
19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05	
19 02 07*	oil and concentrates from separation	A
19 02 08*	liquid combustible wastes containing dangerous substances	M
19 02 09*	solid combustible wastes containing dangerous substances	M
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	M
19 02 99	wastes not otherwise specified	
19 03	stabilised/solidified wastes⁵	
19 03 04*	wastes marked as hazardous, partly ⁶ stabilised	M
19 03 05	stabilised wastes other than those mentioned in 19 03 04	
19 03 06*	wastes marked as hazardous, solidified	M
19 03 07	solidified wastes other than those mentioned in 19 03 06	
19 04	vitrified waste and wastes from vitrification	
19 04 01	vitrified waste	
19 04 02*	fly ash and other flue-gas treatment wastes	A
19 04 03*	non-vitrified solid phase	A
19 04 04	aqueous liquid wastes from vitrified waste tempering	

⁵ 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.

⁶ A waste is considered as partly stabilised if, after the stabilisation process, dangerous constituents which have not been changed completely into non-dangerous constituents could be released into the environment in the short, middle or long term.

APPENDIX A: CONSOLIDATED EUROPEAN WASTE CATALOGUE

“Absolute Entries” (hazardous waste regardless of any threshold concentrations):

A

“Mirror Entries” (hazardous waste only if dangerous substances are present above threshold concentrations):

M

19 05	wastes from aerobic treatment of solid wastes	
19 05 01	non-composted fraction of municipal and similar wastes	
19 05 02	non-composted fraction of animal and vegetable waste	
19 05 03	off-specification compost	
19 05 99	wastes not otherwise specified	
19 06	wastes from anaerobic treatment of waste	
19 06 03	liquor from anaerobic treatment of municipal waste	
19 06 04	digestate from anaerobic treatment of municipal waste	
19 06 05	liquor from anaerobic treatment of animal and vegetable waste	
19 06 06	digestate from anaerobic treatment of animal and vegetable waste	
19 06 99	wastes not otherwise specified	
19 07	landfill leachate	
19 07 02*	landfill leachate containing dangerous substances	M
19 07 03	landfill leachate other than those mentioned in 19 07 02	
19 08	wastes from waste water treatment plants not otherwise specified	
19 08 01	screenings	
19 08 02	waste from desanding	
19 08 05	sludges from treatment of urban waste water	
19 08 06*	saturated or spent ion exchange resins	A
19 08 07*	solutions and sludges from regeneration of ion exchangers	A
19 08 08*	membrane system waste containing heavy metals	M
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	M
19 08 11*	sludges containing dangerous substances from biological treatment of industrial waste water	M
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	M
19 08 14	sludges from other treatment of industrial waste water other than those mentioned in 19 08 13	
19 08 99	wastes not otherwise specified	
19 09	wastes from the preparation of water intended for human consumption or water for industrial use	
19 09 01	solid waste from primary filtration and screenings	
19 09 02	sludges from water clarification	
19 09 03	sludges from decarbonation	
19 09 04	spent activated carbon	
19 09 05	saturated or spent ion exchange resins	
19 09 06	solutions and sludges from regeneration of ion exchangers	
19 09 99	wastes not otherwise specified	
19 10	wastes from shredding of metal-containing wastes	
19 10 01	iron and steel waste	
19 10 02	non-ferrous waste	
19 10 03*	fluff-light fraction and dust containing dangerous substances	M
19 10 04	fluff-light fraction and dust other than those mentioned in 19 10 03	
19 10 05*	other fractions containing dangerous substances	M
19 10 06	other fractions other than those mentioned in 19 10 05	
19 11	wastes from oil regeneration	
19 11 01*	spent filter clays	A
19 11 02*	acid tars	A
19 11 03*	aqueous liquid wastes	A
19 11 04*	wastes from cleaning of fuel with bases	A
19 11 05*	sludges from on-site effluent treatment containing dangerous substances	M
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	A
19 11 99	wastes not otherwise specified	
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified	
19 12 01	paper and cardboard	

APPENDIX A: CONSOLIDATED EUROPEAN WASTE CATALOGUE

“Absolute Entries” (hazardous waste regardless of any threshold concentrations):

A

“Mirror Entries” (hazardous waste only if dangerous substances are present above threshold concentrations):

M

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	M
19 12 07	wood other than that mentioned in 19 12 06	
19 12 08	textiles	
19 12 09	minerals (for example sand, stones)	
19 12 10	combustible waste (refuse derived fuel)	
19 12 11*	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances	M
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	
19 13	wastes from soil and groundwater remediation	
19 13 01*	solid wastes from soil remediation containing dangerous substances	M
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	M
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	M
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	M
19 13 08	aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those mentioned in 19 13 07	
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	
20 01	separately collected fractions (except 15 01)	
20 01 01	paper and cardboard	
20 01 02	glass	
20 01 08	biodegradable kitchen and canteen waste	
20 01 10	clothes	
20 01 11	textiles	
20 01 13*	solvents	A
20 01 14*	acids	A
20 01 15*	alkalines	A
20 01 17*	photochemicals	A
20 01 19*	pesticides	A
20 01 21*	fluorescent tubes and other mercury-containing waste	A
20 01 23*	discarded equipment containing chlorofluorocarbons	M
20 01 25	edible oil and fat	
20 01 26*	oil and fat other than those mentioned in 20 01 25	M
20 01 27*	paint, inks, adhesives and resins containing dangerous substances	M
20 01 28	paint, inks, adhesives and resins other than those mentioned in 20 01 27	
20 01 29*	detergents containing dangerous substances	M
20 01 30	detergents other than those mentioned in 20 01 29	
20 01 31*	cytotoxic and cytostatic medicines	M
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	M
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 (6)	M
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	M
20 01 38	wood other than that mentioned in 20 01 37	

APPENDIX A: CONSOLIDATED EUROPEAN WASTE CATALOGUE

“Absolute Entries” (hazardous waste regardless of any threshold concentrations):

“Mirror Entries” (hazardous waste only if dangerous substances are present above threshold concentrations):

A
M

20 01 39	plastics
20 01 40	metals
20 01 41	wastes from chimney sweeping
20 01 99	other fractions not otherwise specified
20 02	garden and park wastes (including cemetery waste)
20 02 01	biodegradable waste
20 02 02	soil and stones
20 02 03	other non-biodegradable wastes
20 03	other municipal wastes
20 03 01	mixed municipal waste
20 03 02	waste from markets
20 03 03	street-cleaning residues
20 03 04	septic tank sludge
20 03 06	waste from sewage cleaning
20 03 07	bulky waste
20 03 99	municipal wastes not otherwise specified