



COMMISSION OF THE EUROPEAN COMMUNITIES  
EUROSTAT

Directorate E: Sectoral and regional statistics  
**Unit E-3: Environmental and forestry statistics**



## Guidance on classification of waste according to EWC-Stat categories

Supplement to the Manual for the Implementation of the Regulation (EC)  
No 2150/2002 on Waste Statistics

**Version 2, December 2010**

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# 1 Introduction

In order to produce comparable and reliable data on waste generation and treatment clear definitions and a common understanding of waste classification is necessary. The present guidance document shall support the producers of statistical data to apply the statistical waste nomenclature EWC-Stat in correct way. In addition, the document shall help the users of the statistical data to use and interpret the data correctly.

## EWC-Stat and List of Waste (LoW)

The Regulation (EC) 2150/2002 on waste statistics<sup>1</sup> obliges the Member States to report statistical data on waste generation and waste treatment according to the statistical waste nomenclature EWC-Stat. The EWC-Stat is a mainly substance-oriented aggregation of the waste types defined in the European List of Wastes (LoW)<sup>2</sup>. The result is a 1:n-relationship between EWC-Stat and European List of Wastes which allows for the unambiguous conversion of the waste types classified according to the List of Wastes into the EWC-Stat waste categories. The transposition table between the EWC-Stat and the List of Wastes is established in Annex III of Regulation

The EWC-Stat categories which have to be reported to Eurostat are set out in section 2 of the Annexes I and II of the Regulation. As of reference year 2010, data on waste generation and waste treatment will have to be broken down by 51 EWC-Stat categories (up to 2008: 48 categories).

The European List of Wastes (LoW) is the waste classification in the EU for administrative purposes, i.e. for permitting and supervision in the field of waste generation and management. The LoW defines 839 waste types which are structured into 20 chapters, mainly according to the source of the waste (i.e. the economic sector or process of origin). Each waste type is characterised by a six-digit code. The allocation of wastes to the defined waste types is laid down in the introduction of Decision 2000/532/EC and explained in a separate section (see page 4).

Whereas the Waste Statistics Regulation stipulates that the EWC-Stat has to be used for the reporting of data to Eurostat it does not prescribe a specific classification to be used for data collection. Countries are free to use any waste classification as long as they can produce the defined formats in the required quality.

In practice, most of the countries collect their data according to the List of Waste and convert it subsequently into the required EWC-Stat-categories on the basis of the transposition table in Annex III of the Regulation. The direct use of the EWC-Stat for data collection is applied only by a few countries. Where countries use the EWC-Stat for data collection, the present guidance document is of particular help to clarify which wastes are covered by the defined reporting categories.

## Revision of EWC-Stat Guidance Document

The present document is the second version of the EWC-Stat guidance document. The update of the first version that was published in November 2004 became necessary because of:

- the transition from NACE Rev. 1.1 to NACE Rev. 2 as of reference year 2008;
- the amendment of the WStatR that will be applied as of reference year 2010.

A central point of the WStatR amendment is the revision of the reporting categories defined in section 2 of the Annexes I and II in combination with changes of the transposition table in Annex III of the WStatR. The list of the new reporting categories is shown in the Annex to this document.

A synopsis of the reporting categories valid until reference year 2008 and the categories to be applied as of reference year is shown in Annex IV of the WStatR Implementation Manual. Further explanations on changes are provided in chapter 2.2.2 of the Manual.

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<sup>1</sup> Commission Regulation (EU) of 27 No 849/2010 September 2010 amending Regulation (EC) No 2150/2002 of the European Parliament and of the Council on waste statistics (OJ L 253, 28.9.2010, page 2)

<sup>2</sup> Commission Decision 2001/118/EC of 16 January 2001 amending Decision 2000/532/EC as regards the list of wastes.

## How to apply the List of Wastes (LoW) correctly

In order to get reliable and comparable data it is important to apply the LoW in a correct way. The classification has to be done in accordance with procedure described in No. 3 of the introduction to Commission Decision 2001/118/EC. If a specific waste has to be classified, the following steps have to be taken:

1. Identify the field of activity to which the waste producer belongs, i.e. chapters 1 to 12 or 17 to 20.
2. Identify the sub-chapter within the chapter which best characterises the source of the waste.
3. Within the sub-chapter, identify the waste category which best characterises the waste. The specific is always to be identified over the general.
4. If no appropriate waste category can be found in chapters 01 to 12 or 17 to 20, chapters 13, 14 and 15 should be examined as described above in steps 2 and 3 before resorting to waste categories XX YY 99.
5. If only one waste category XX YY 99 comes into question, the waste should be identified with a waste category in chapter 16, in accordance with steps 2 and 3 above.
6. If a suitable waste category cannot be found in chapter 16, then XX YY 99 is to be used in the chapter and sub-chapter corresponding to the most appropriate source producing the waste.

One of the problems is how to proceed with the 99-codes in the List of Wastes (xx yy 99 codes). The 99 codes are designed only for non-hazardous wastes that cannot reasonably be assigned to a specific waste code in the list. In general, the 99-codes should not be needed. However, if a waste type is not listed in the chapter of a specific branch, one has to have to look through all other chapters of the List of Wastes to find the most appropriate code in other chapters.

In case countries extend the List of Wastes with additional national codes, it is necessary to implement a national transposition table to allocate these additional codes to the correct LoW-code. It is not correct to allocate the additional codes to the 99-code of the respective sector.

The classification procedure is summarised and visualised in the decision tree shown overleaf.

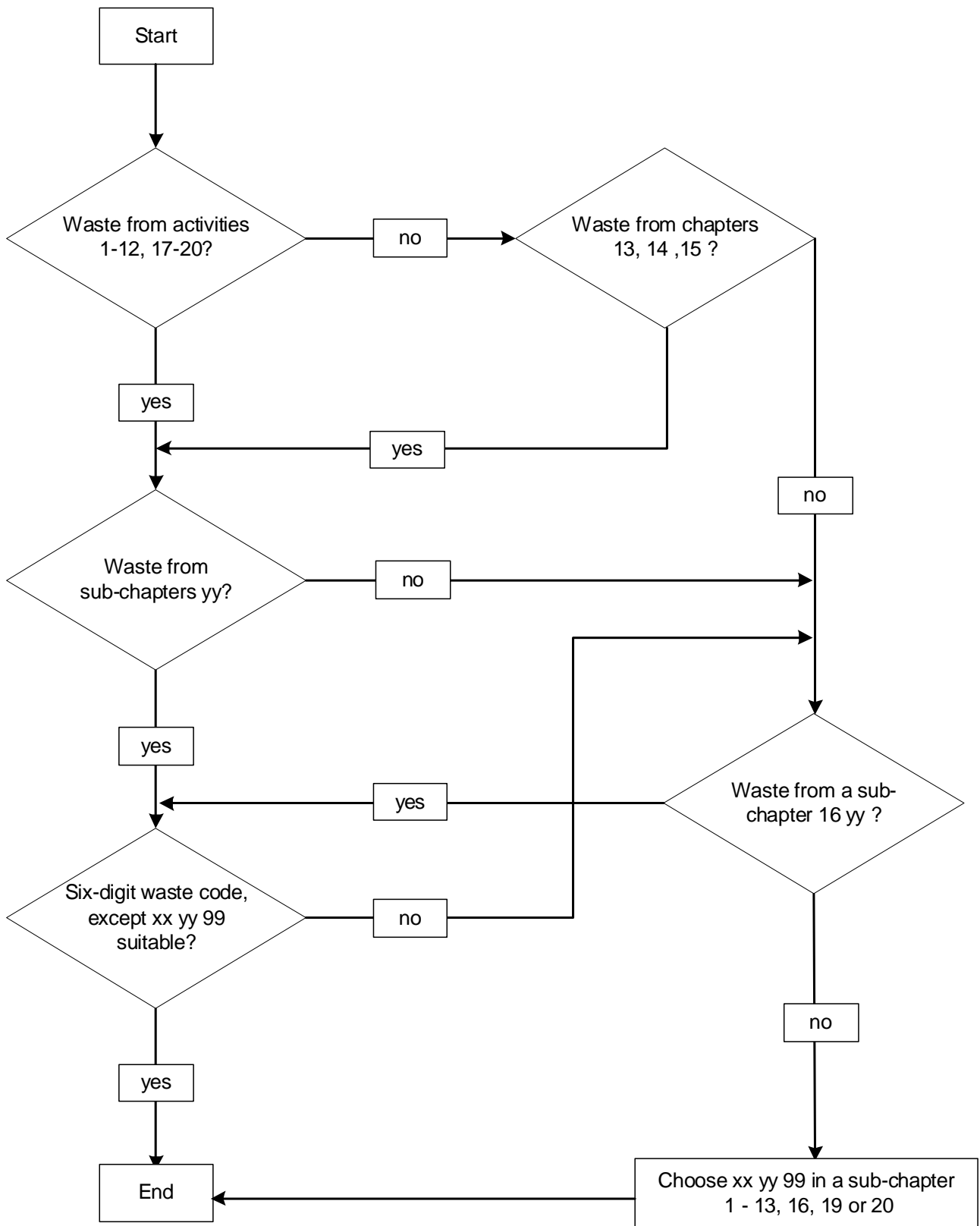


Fig. 1: Schematic flow chart on the correct assignment of wastes to LoW codes

## 2 Explanation of Waste Categories

In the following, the reporting categories defined in section 2 of the Annexes I and II are explained and illustrated in detail. The breakdown comprises 33 waste categories of which 18 categories can be hazardous or non-hazardous. This results in a total of 51 waste categories to be reported. The explanations are provided in form of tables and consist of the following elements:

- **Code:** the EWC-Stat code
- **Description:** The name of the category according to section 2 of Annexes I and II
- **Specification:** The **description** of the waste category with regard to the chemical / physical characteristics / properties, the main sources (technical processes, industrial branches) and information on potentially hazardous components of the waste stream.
- **Includes:** This is a description of waste types which are included in the respective category but which would not necessarily be expected, e.g. category “used oils” includes partly emulsions.
- **Source branches:** Here the source branches for the respective waste category are presented. For each source branch the wording according to Low (in bold letters) and the NACE rev. 2 definitions are provided. In this column only the major source branches are listed. This means the branch, where the waste normally comes from. This does not mean that in some case also other branches could be source of the respective waste.
- **Excludes:** This is a description of waste types which could be expected to be included in the respective category but are excluded. In addition, information is given about the category that includes the excluded waste types.
- **Table of equivalence:** Below the explanatory tables an extract of the transposition table in Annex III of the WStatR for the respective waste category is provided.

With the definitions and the table of equivalence all information is given to achieve a correct allocation of specific waste types to the respective waste category.

## Spent solvents (Item 1)

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Code	Description	Definition	Includes	Source branches (nomenclature of LoW is bold, NACE is non-bold)	Excludes
01.1	Spent solvents, hazardous	<p><b>Kind of waste:</b></p> <p>Hydrocarbons, fluorocarbons, chlorinated hydrocarbons</p> <p>Organic halogenated, non-halogenated solvents, including organic washing liquids, organic mother liquors, and organic fluorinated refrigerants</p> <p><b>Origin:</b></p> <p>Used in chemical industries as reaction agent and in extraction processes</p> <p>Used for cleaning processes in mechanical engineering and surface treatment</p> <p><b>Hazardous:</b></p> <p>All organic solvents are hazardous</p>	<p>Chlorofluorocarbons (HCFC, HFC)</p> <p>Sludges and solid wastes containing organic solvents</p> <p>Organic solvents from separate collection (e. g. households)</p>	<p>In general chemical industry, mechanical engineering, surface treatment, recycling of refrigerators and separate collection of solvents from households.</p> <p>In detail:</p> <ul style="list-style-type: none"> <li>• <b>Basic organic chemicals</b> (20.14 Manufacture of other organic basic chemicals)</li> <li>• <b>MFSU of plastics, synthetic rubber and man-made fibres</b> (20.16 Manufacture of plastics in primary forms; 20.17 Manufacture of synthetic rubber in primary forms; 20.60 Manufacture of man-made fibres; 22.1 Manufacture of rubber products; 22.2 Manufacture of plastics products)</li> <li>• <b>MFSU of organic dyes and pigments</b> (except inorganic pigments) (20.12 Manufacture of dyes and pigments)</li> <li>• <b>Plant protection products, wood preserving agents and other biocides</b> (20.20 Manufacture of pesticides and other agrochemical products)</li> <li>• <b>MFSU of pharmaceuticals</b> (21 Manufacture of basic pharmaceutical products and pharmaceutical preparations)</li> <li>• <b>MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics</b> (20.4 Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations)</li> <li>• <b>MFSU of fine chemicals and chemical products not otherwise specified</b></li> <li>• <b>Shaping and physical and mechanical surface treatment of metals and plastics</b> (25.6 Treatment and coating of metals; machining; 33.12 Repair of machinery)</li> <li>• <b>Waste organic solvents, refrigerants and foam/aerosol propellants</b> (38.2 Waste treatment and disposal)</li> <li>• <b>Separately collected fractions</b> (38.1 Waste collection)</li> </ul>	<p>Water based solvents, washing liquids and mother liquors -&gt; see cat. 03.1</p> <p>Waste containing organic solvents from MFSU of paints, varnish, inks, adhesives and sealants -&gt; see cat. 02</p> <p>Organic solvent waste from textile, fur and leather industry -&gt; see cat. 02</p> <p>Organic solvents from extraction processes in food industry -&gt; see cat 09</p> <p>Halogenated and non halogenated still bottoms and reaction residues, -&gt; see cat. 03</p> <p>Organic wood preservatives from wood preservation, -&gt; see cat. 02</p>

**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Spent Solvents**

## 01 Chemical compound wastes

## 01.1 Spent solvents

## 01.11 Halogenated spent solvents

## 1 Hazardous

07 01 03*	organic halogenated solvents, washing liquids and mother liquors
07 02 03*	organic halogenated solvents, washing liquids and mother liquors
07 03 03*	organic halogenated solvents, washing liquids and mother liquors
07 04 03*	organic halogenated solvents, washing liquids and mother liquors
07 05 03*	organic halogenated solvents, washing liquids and mother liquors
07 06 03*	organic halogenated solvents, washing liquids and mother liquors
07 07 03*	organic halogenated solvents, washing liquids and mother liquors
14 06 01*	chlorofluorocarbons, HCFC, HFC
14 06 02*	other halogenated solvents and solvent mixtures
14 06 04*	sludges or solid wastes containing halogenated solvents

## 01.12 Non halogenated spent solvents

## 1 Hazardous

07 01 04*	other organic solvents, washing liquids and mother liquors
07 02 04*	other organic solvents, washing liquids and mother liquors
07 03 04*	other organic solvents, washing liquids and mother liquors
07 04 04*	other organic solvents, washing liquids and mother liquors
07 05 04*	other organic solvents, washing liquids and mother liquors
07 06 04*	other organic solvents, washing liquids and mother liquors
07 07 04*	other organic solvents, washing liquids and mother liquors
14 06 03*	other solvents and solvent mixtures
14 06 05*	sludges or solid wastes containing other solvents
20 01 13*	solvents



**Acid, alkaline or salt wastes (Items 2 and 3)**[back](#)

Code	Description	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
01.2	Acid, alkaline or salt wastes  Hazardous and Non-hazardous	<p><b>Kind of waste:</b></p> <p>Inorganic acids, like hydrochloridic, sulphuric, phosphoric, nitric acids</p> <p>Alkaline like, calcium ammonium, sodium hydroxide</p> <p>Inorganic salts mainly from manufacturing of acids or alkaline and salt slags or solid salts</p> <p><b>Origin:</b></p> <p>Acid and alkaline used in chemical industry as reaction agent.</p> <p><b>Hazardous:</b></p> <p>In general acids and alkaline is hazardous except lime mud and degreasing waste without dangerous substances (like oil, heavy metals or cyanides)</p> <p>Saline waste are dangerous when containing dangerous substances like heavy metals, arsenic or oil</p>	<p>Bleach and fixer solutions, etching solutions;</p> <p>Developer solution, water based degreasing liquids, lime mud</p> <p>Metallic oxides, flux and saline wastes from hydrometallurgical processes and hot galvanising</p>	<p>In general metallurgy and inorganic chemical processes.</p> <p>In detail:</p> <ul style="list-style-type: none"> <li>• <b>Inorganic chemical processes (manufacture, formulation, supply and use (MFSU) of acids, bases, salts and their solutions and metallic oxides, sulphur chemicals, sulphur chemical processes)</b> (20.13 Manufacture of other inorganic basic chemicals; 46.75 Wholesale of chemical products)</li> <li>• <b>Petroleum refining</b> (19.20 Manufacture of refined petroleum products)</li> <li>• <b>Photographic industry (including offset plate developing)</b> (18.13 Pre-press and pre-media services; 74.20 Photographic activities)</li> <li>• <b>Power stations and other combustion plants</b> (35.11 Production of electricity)</li> <li>• <b>Aluminium thermal metallurgy</b> (24.42 Aluminium production)</li> <li>• <b>Zinc thermal metallurgy</b> (24.43 Lead, zinc and tin production)</li> <li>• <b>Chemical surface treatment and coating of metals and other materials</b> (25.6 Treatment and coating of metals; machining)</li> <li>• <b>Non-ferrous hydrometallurgical processes</b> (25.61 treatment and coating of metals)</li> <li>• <b>Tempering processes</b> (25.61 treatment and coating of metals)</li> <li>• <b>Hot galvanising processes</b> (25.61 treatment and coating of metals)</li> <li>• <b>Batteries and accumulators</b> (45.20 Maintenance and repair of motor vehicles)</li> <li>• <b>Separately collected fractions</b> (38.1 Waste collection)</li> </ul>	<p>Tanning liquors -&gt; see cat 03.13</p> <p>Green liquors -&gt; see cat 03.13</p> <p>Oil containing acids -&gt; see cat 01.3</p> <p>Acid tars -&gt; see cat 03.1</p> <p>Aqueous washing liquids and mother liquors -&gt; see cat 03.1</p> <p>Desalter sludges -&gt; see cat 01.3</p>

**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Acid, alkaline or salt wastes**

## 01.2 Acid, alkaline or saline wastes

## 01.21 Acid wastes

## 1 Hazardous

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 07 04*	solutions and acids, e.g. contact acid
08 03 16*	waste etching solutions
09 01 04*	fixer solutions
09 01 05*	bleach solutions and bleach fixer solutions
10 01 09*	sulphuric acid
11 01 05*	pickling acids
11 01 06*	acids not otherwise specified
16 06 06*	separately collected electrolyte from batteries and accumulators
20 01 14*	acids

## 01.22 Alkaline wastes

## 0 Non-hazardous

03 03 09	lime mud waste
11 01 14	degreasing wastes other than those mentioned in 11 01 13

## 1 Hazardous

05 01 11*	wastes from cleaning of fuels with bases
06 02 01*	calcium hydroxide
06 02 03*	ammonium hydroxide
06 02 04*	sodium and potassium hydroxide
06 02 05*	other bases
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
11 01 07*	pickling bases
11 01 13*	degreasing wastes containing dangerous substances
11 03 01*	wastes containing cyanide
19 11 04*	wastes from cleaning of fuel with bases

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20 01 15*	alkalines
01.24 Other saline wastes	
0 Non-hazardous	
05 01 16	sulphur-containing wastes from petroleum desulphurisation
05 07 02	wastes containing sulphur
06 03 14	solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13
06 03 16	metallic oxides other than those mentioned in 06 03 15
06 06 03	wastes containing sulphides other than those mentioned in 06 06 02
11 02 06	wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05
1 Hazardous	
06 03 11*	solid salts and solutions containing cyanides
06 03 13*	solid salts and solutions containing heavy metals
06 03 15*	metallic oxides containing heavy metals
06 04 03*	wastes containing arsenic
06 04 04*	wastes containing mercury
06 04 05*	wastes containing other heavy metals
06 06 02*	wastes containing dangerous sulphides
10 03 08*	salt slags from secondary production
10 04 03*	calcium arsenate
11 01 08*	phosphatising sludges
11 02 05*	wastes from copper hydrometallurgical processes containing dangerous substances
11 03 02*	other wastes
11 05 04*	Spent flux
16 09 01*	permanganates, e.g. potassium permanganate
16 09 02*	chromates, e.g. potassium chromate, potassium or sodium dichromate

**Used oils (Item 4)**[back](#)

Code	Description	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
01.3	Used oils All hazardous	<p><b>Kind of waste:</b></p> <p>Mineral-based, synthetic oils and biodegradable engine oils.</p> <p>Comprising engine, gear, hydraulic and lubricating oils, oils for insulation and heat transmission.</p> <p>Comprising emulsions from metal surface shaping and residues from tank cleaning</p> <p><b>Origin:</b></p> <p>Maintenance of engines, hydraulic systems and transformers; lubricating oil in mechanical engineering</p> <p><b>Hazardous:</b></p> <p>All used oil are hazardous waste</p>	<p>Oil from oil/water separators</p> <p>Disperse and rosin oil</p> <p>Fat and wax from mechanical engineering</p> <p>Metal sludge (grinding, honing and lapping sludge) containing oil</p>	<p>In general mechanical engineering and maintenance of vehicles.</p> <p>In detail:</p> <ul style="list-style-type: none"> <li>• <b>Petroleum refining</b> (19.20 Manufacture of refined petroleum products)</li> <li>• <b>Shaping and physical and mechanical surface treatment of metals and plastics</b> (25.6 Treatment and coating of metals; machining; 33.12 Repair of machinery)</li> <li>• <b>Hydraulic oils; engine, gear and lubricating oils</b> (45.20 Maintenance and repair of motor vehicles)</li> <li>• <b>Insulating and heat transmission oils</b> (35.1 Electric power generation, transmission and distribution)</li> <li>• <b>Separately collected fractions</b> (38.1 Waste collection)</li> </ul>	<p>Oil containing PCB -&gt; see cat. 07.7</p> <p>Bilge oils -&gt; see cat 03.12</p> <p>Edible oils and fats -&gt; see cat 09.12</p> <p>Liquid fuels -&gt; see cat 03.12</p> <p>Oil-containing drilling mud and wastes -&gt; see cat 03.22</p> <p>Oil spills -&gt; see cat 12.6</p> <p>Oily sludges -&gt; see cat 03.12</p> <p>Wastes from cooling-water treatment containing oil -&gt; see cat 03.22</p> <p>Oil and concentrates from separation -&gt; see cat 03.12</p>

**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Used oils**

01.3 Used oils

01.31 Used motor oils

1 Hazardous

- 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

## 01.32 Other used oils

## 1 Hazardous

- 05 01 02\* desalter sludges
- 05 01 03\* tank bottom sludges
- 05 01 04\* acid alkyl sludges
- 05 01 12\* oil containing acids
- 08 03 19\* disperse oil
- 08 04 17\* rosin oil
- 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 18\* metal sludge (grinding, honing and lapping sludge) containing oil
- 12 01 19\* readily biodegradable machining oil
- 13 01 04\* chlorinated emulsions
- 13 01 05\* non-chlorinated emulsions
- 13 01 09\* mineral-based chlorinated hydraulic oils
- 13 01 10\* mineral based non-chlorinated hydraulic oils
- 13 01 11\* synthetic hydraulic oils
- 13 01 12\* readily biodegradable hydraulic oils
- 13 01 13\* other hydraulic oils
- 13 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 05 06\* oil from oil/water separators
- 20 01 26\* oil and fat other than those mentioned in 20 01 25

## Chemical wastes (Items 5 and 6)

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Code	Description,	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
01.4 02 03.1	Spent chemical catalysts Chemical preparation waste Chemical deposits and residues Hazardous and non-hazardous	<p><b>Kind of waste:</b></p> <p>Solid catalysts e.g. used for flue and exhaust gas cleaning</p> <p>Fluid and liquid catalysts mainly used in chemical and petrol industry</p> <p>Off-specification products and wastes like agrochemicals, medicines, paint, dyestuff, pigments, varnish, inks and adhesives, including related sludges</p> <p>Chemical preparation waste like preservatives, brake and antifreeze fluids, waste chemicals</p> <p>Unused explosives and waste ammunition</p> <p>Mixed chemicals from laboratories and chemical waste mixed for treatment</p> <p>Tars and carbonaceous waste like acid tars, bitumen, carbon anodes, tar and carbon waste</p> <p>Still bottoms and reaction residues</p> <p>Fuels, emulsions,</p>	<p>Solid and liquid catalysts</p> <p>Gases in pressure containers</p> <p>Mixed photo chemicals</p> <p>Contaminated packaging material</p> <p>Wastes containing mercury</p> <p>Ion exchange resins from chemical surface treatment waste waters</p> <p>Waste binders from casting</p> <p>Waste printing toner</p> <p>Detergents</p>	<p>In general the chemical industry.</p> <p>In detail:</p> <ul style="list-style-type: none"> <li>• <b>Agriculture, horticulture, aquaculture, forestry, hunting and fishing</b> (A Agriculture, forestry and fishing)</li> <li>• <b>Wood preservation</b> (16.10 Sawmilling and planing of wood; 16.23 Manufacture of other builders' carpentry and joinery)</li> <li>• <b>Leather, fur and textile industry</b> (13.10 Preparation and spinning of textile fibres; 13.20 Dressing and dyeing of fur; manufacture of articles of fur; 13.30 Finishing of textiles; 15.11 Tanning and dressing of leather; dressing and dyeing of fur)</li> <li>• <b>Petroleum refining, natural gas purification and pyrolytic treatment of coal</b> (19.10 Manufacture of coke oven products; 19.20 Manufacture of refined petroleum products)</li> <li>• <b>Chemical industry</b> (20.1 Manufacture of basic chemicals, fertilisers and nitrogen compounds, plastics and synthetic rubber in primary forms; 20.20 Manufacture of pesticides and other agrochemical products; 20.30 Manufacture of paints, varnishes and similar coatings, printing ink and mastics; 21 Manufacture of basic pharmaceutical products and pharmaceutical preparations; 20.4 Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations; 20.5 Manufacture of other chemical products)</li> <li>• <b>MFSU of plastics, synthetic rubber and man-made fibres</b> (20.16 Manufacture of plastics in primary forms; 20.17 Manufacture of synthetic rubber in primary forms; 20.60 Manufacture of man-made fibres; 22.1 Manufacture of rubber products; 22.2 Manufacture of plastics products)</li> <li>• <b>MFSU and removal of paint and varnish</b> (20.30 Manufacture of paints, varnishes and similar coatings, printing ink and mastics; 45.20 Maintenance and repair of motor vehicles; 25.61 Treatment and coating of metals; 31</li> </ul>	<p>Amalgam waste -&gt; see cat. 10.2</p> <p>Organic solvents -&gt; see cat. 01.1</p> <p>Acid, alkaline and salt -&gt; see cat. 01.2</p> <p>Motor oil -&gt; see cat. 01.3</p> <p>Developer and fixer solutions -&gt; see cat. 01.2</p> <p>Waste contaminated with PCB -&gt; see cat. 07.7</p> <p>Ion exchange resins from waste water treatment except from chemical surface treatment -&gt; see cat.03.1</p> <p>Bio-chemical catalysts</p>

		<p>sludges containing oil, like bilge oil, waste fuels oil, diesel, petrol, waste from oil water separators</p> <p>Aqueous rinsing and washing liquids, aqueous mother liquors</p> <p>Spent filtration and adsorbent material, like activated carbon, filter cakes, ion exchangers</p> <p><b>Origin:</b></p> <p>Various industrial branches producing and using chemical products, agriculture and households</p> <p><b>Hazardous:</b></p> <p>Hazardous when containing toxic chemical compounds, heavy metals</p>	<p>Manufacture of furniture; 95.24 Repair of furniture and home furnishings)</p> <ul style="list-style-type: none"> <li>• <b>MFSU of printing inks</b> (20.30 Manufacture of paints, varnishes and similar coatings, printing ink and mastics; 18.1 Printing and service activities related to printing)</li> <li>• <b>Aluminium thermal metallurgy</b> (24.42 Aluminium production)</li> <li>• <b>Other non-ferrous thermal metallurgy</b> (24.45 Other non-ferrous metal production)</li> <li>• <b>Casting of ferrous pieces</b> (24.51 Casting of iron; 24.52 Casting of steel)</li> <li>• <b>Casting of non-ferrous pieces</b> (24.53 Casting of light metals; 24.54 Casting of other non-ferrous metals)</li> <li>• <b>Chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphating, alkaline degreasing, anodising)</b> (25.6 Treatment and coating of metals; machining)</li> <li>• <b>Bilge oils; oil/water separator contents; wastes of liquid fuels</b> (45.20 Maintenance and repair of motor vehicles; 47.30 Retail sale of automotive fuel in specialised stores; 50 Water transport)</li> <li>• <b>End-of-life vehicles from different means of transport and dismantling of end-of-life vehicles</b> (38.3 Materials recovery)</li> <li>• <b>Waste explosives</b> (43.1 Demolition and site preparation; 20.51 Manufacture of explosives; 25.40 Manufacture of weapons and ammunition; 05.10 Mining of hard coal; 08.1 Quarrying of stone, sand and clay; 08.9 Mining and quarrying n.e.c.)</li> <li>• <b>Spent catalysts</b> (not related to a LoW-branch) (45.20 Maintenance and repair of motor vehicles; 46.77 Wholesale of waste and scrap; 38.3 Materials recovery)</li> <li>• <b>Wastes from human or animal health care and/or related research</b> (86 Human health activities; 87 Residential care activities; 75.00 Veterinary activities)</li> <li>• <b>Preparation of water</b> (36.00 Water collection, treatment and supply)</li> </ul>	
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			<ul style="list-style-type: none"> <li>• <b>(Municipal) waste water treatment</b> (37.00 Sewerage)</li> <li>• <b>Separately collected fractions</b> (38.1 Waste collection)</li> </ul>	
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### Chemical wastes

#### 01.4 Spent chemical catalysts

##### 01.41 Spent chemical catalysts

##### 0 Non-hazardous

- 16 08 01 spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinum (except 16 08 07)
- 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)

##### 1 Hazardous

- 16 08 02\* Spent catalysts containing dangerous transition metals or dangerous transition metal compounds
- 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

#### 02 Chemical preparation wastes

##### 02.1 Off-specification chemical wastes

##### 02.11 Agrochemical product wastes

##### 0 Non-hazardous

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

##### 1 Hazardous

- 02 01 08\* agrochemical waste containing dangerous substances
- 06 13 01\* inorganic plant protection products, wood-preserving agents and other biocides.
- 20 01 19\* pesticides

##### 02.12 Unused medicines

##### 0 Non-hazardous

- 07 05 14 solid wastes other than those mentioned in 07 05 13
- 18 01 09 medicines other than those mentioned in 18 01 08
- 18 02 08 medicines other than those mentioned in 18 02 07
- 20 01 32 medicines other than those mentioned in 20 01 31

##### 1 Hazardous

- 07 05 13\* solid wastes containing dangerous substances
- 18 01 08\* cytotoxic and cytostatic medicines
- 18 02 07\* cytotoxic and cytostatic medicines



20 01 31*	cytotoxic and cytostatic medicines
02.13 Paints, varnish, inks and adhesive wastes	
0 Non-hazardous	
04 02 17	dye-stuffs and pigments other than those mentioned in 04 02 16
08 01 12	waste paint and varnish other than those mentioned in 08 01 11
08 01 14	sludges from paint or varnish other than those mentioned in 08 01 13
08 01 16	aqueous sludges containing paint or varnish other than those mentioned in 08 01 15
08 01 18	Wastes from paint or varnish removal other than those mentioned in 08 01 17
08 01 20	aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19
08 02 01	waste coating powders
08 03 07	aqueous sludges containing ink
08 03 08	aqueous liquid waste containing ink
08 03 13	waste ink other than those mentioned in 08 03 12
08 03 15	ink sludges other than those mentioned in 08 03 14
08 03 18	Waste printing toner other than those mentioned in 08 03 17
08 04 10	Waste adhesives and sealants other than those mentioned in 08 04 09
08 04 12	adhesive and sealant sludges other than those mentioned in 08 04 11
08 04 14	aqueous sludges containing adhesives or sealants other than those mentioned in 08 04 13
08 04 16	aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15
20 01 28	paint, inks, adhesives and resins other than those mentioned in 20 01 27
1 Hazardous	
04 02 16*	dye-stuffs and pigments containing dangerous substances
08 01 11*	Waste paint and varnish containing organic solvents or other dangerous substances
08 01 13*	sludges from paint or varnish containing organic solvents or other dangerous substances
08 01 15*	aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances
08 01 17*	wastes from paint or varnish removal containing organic solvents or other dangerous substances
08 01 19*	aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances
08 03 12*	Waste ink containing dangerous substances
08 03 14*	ink sludges containing dangerous substances
08 03 17*	Waste printing toner containing dangerous substances
08 04 09*	Waste adhesives and sealants containing organic solvents or other dangerous substances
08 04 11*	adhesive and sealant sludges containing organic solvents or other dangerous substances
08 04 13*	aqueous sludges containing adhesives or sealants containing organic solvents or other dangerous substances
08 04 15*	aqueous liquid waste containing adhesives or sealants containing organic solvents or other dangerous substances
20 01 27*	paint, inks, adhesives and resins containing dangerous substances
02.14 Other chemical preparation wastes	
0 Non-hazardous	

02 07 03	wastes from chemical treatment
03 02 99	Wood preservatives not otherwise specified
04 01 09	wastes from dressing and finishing
04 02 15	wastes from finishing other than those mentioned in 04 02 14
07 02 15	wastes from additives other than those mentioned in 07 02 14
07 02 17	Waste containing silicones other than those mentioned in 07 02 16
10 09 16	Waste crack-indicating agent other than those mentioned in 10 09 15
10 10 14	Waste binders other than those mentioned in 10 10 13
10 10 16	Waste crack-indicating agent other than those mentioned in 10 10 15
16 01 15	antifreeze fluids other than those mentioned in 16 01 14
16 05 05	Gases in pressure containers other than those mentioned in 16 05 04
18 01 07	chemicals other than those mentioned in 18 01 06
18 02 06	chemicals other than those mentioned in 18 02 05
20 01 30	detergents other than those mentioned in 20 01 29

#### 1 Hazardous

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
04 02 14*	wastes from finishing containing organic solvents
05 07 01*	wastes containing mercury
06 08 02*	wastes containing dangerous chlorosilanes
06 10 02*	wastes containing dangerous substances
07 02 14*	wastes from additives containing dangerous substances
07 02 16*	wastes containing dangerous silicones
07 04 13*	solid wastes containing dangerous substances
08 01 21*	Waste paint or varnish remover
08 05 01*	Waste isocyanates
10 09 13*	Waste binders containing dangerous substances
10 09 15*	Waste crack-indicating agent containing dangerous substances
10 10 13*	Waste binders containing dangerous substances
10 10 15*	Waste crack-indicating agent containing dangerous substances
11 01 16*	saturated or spent ion exchange resins
11 01 98*	other wastes containing dangerous substances
16 01 13*	Brake fluids
16 01 14*	antifreeze fluids containing dangerous substances

16 05 04*	gases in pressure containers (including halons) containing dangerous substances
16 09 03*	peroxides, e.g. hydrogen peroxide
16 09 04*	oxidising substances, not otherwise specified
18 01 06*	chemicals consisting of or containing dangerous substances
18 02 05*	chemicals consisting of or containing dangerous substances
20 01 17*	Photo chemicals
20 01 29*	detergents containing dangerous substances
02.2 Unused explosives	
02.21 Waste explosives and pyrotechnical products	
1 Hazardous	
16 04 02*	fireworks wastes
16 04 03*	other waste explosives
02.22 Waste ammunition	
1 Hazardous	
16 04 01*	Waste ammunition
02.3 Mixed chemical wastes	
02.31 Minor mixed chemical wastes	
0 Non-hazardous	
16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08
1 Hazardous	
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
02.33 Packaging polluted by hazardous substances	
1 Hazardous	
15 01 10*	packaging containing residues of or contaminated by dangerous substances
03 Other chemical wastes	
03.1 Chemical deposits and residues	
03.11 Tars and carbonaceous wastes	
0 Non-hazardous	
05 01 17	Bitumen
06 13 03	carbon black
10 01 25	wastes from fuel storage and preparation of coal-fired power plants
10 03 02	anode scraps
10 03 18	carbon-containing wastes from anode manufacture other than those mentioned in 10 03 17
10 08 13	carbon-containing wastes from anode manufacture other than those mentioned in 10 08 12
10 08 14	anode scrap

11 02 03	wastes from the production of anodes for aqueous electrolytical processes
20 01 41	wastes from chimney sweeping
1 Hazardous	
05 01 07*	acid tars
05 01 08*	other tars
05 06 01*	acid tars
05 06 03*	other tars
06 13 05*	Soot
10 03 17*	tar-containing wastes from anode manufacture
10 08 12*	tar-containing wastes from anode manufacture
19 11 02*	acid tars
03.12 Oils/water emulsions sludges	
1 Hazardous	
05 01 06*	oily sludges from maintenance operations of the plant or equipment
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 01*	solids from grit chambers and oil/water separators
13 05 02*	sludges from oil/water separators
13 05 03*	interceptor sludges
13 05 07*	oily water from oil/water separators
13 05 08*	Mixtures of wastes from grit chambers and oil/water separators
13 07 01*	fuel oil and diesel
13 07 02*	petrol
13 07 03*	other fuels (including mixtures)
13 08 01*	desalter sludges or emulsions
13 08 02*	other emulsions
13 08 99*	wastes not otherwise specified
16 07 09*	wastes containing other dangerous substances
19 02 07*	oil and concentrates from separation
03.13 Chemical reaction residues	
0 Non-hazardous	
03 03 02	green liquor sludge (from recovery of cooking liquor)
04 01 04	tanning liquor containing chromium
04 01 05	tanning liquor free of chromium
11 01 12	Aqueous rinsing liquids other than those mentioned in 11 01 11
1 Hazardous	

04 01 03*	degreasing wastes containing solvents without a liquid phase
06 07 03*	barium sulphate sludge containing mercury
07 01 01*	Aqueous washing liquids and mother liquors
07 01 07*	halogenated still bottoms and reaction residues
07 01 08*	other still bottoms and reaction residues
07 02 01*	Aqueous washing liquids and mother liquors
07 02 07*	halogenated still bottoms and reaction residues
07 02 08*	other still bottoms and reaction residues
07 03 01*	Aqueous washing liquids and mother liquors
07 03 07*	halogenated still bottoms and reaction residues
07 03 08*	other still bottoms and reaction residues
07 04 01*	Aqueous washing liquids and mother liquors
07 04 07*	halogenated still bottoms and reaction residues
07 04 08*	other still bottoms and reaction residues
07 05 01*	Aqueous washing liquids and mother liquors
07 05 07*	halogenated still bottoms and reaction residues
07 05 08*	other still bottoms and reaction residues
07 06 01*	Aqueous washing liquids and mother liquors
07 06 07*	halogenated still bottoms and reaction residues
07 06 08*	other still bottoms and reaction residues
07 07 01*	Aqueous washing liquids and mother liquors
07 07 07*	halogenated still bottoms and reaction residues
07 07 08*	other still bottoms and reaction residues
09 01 13*	Aqueous liquid waste from on-site reclamation of silver other than those mentioned in 09 01 06
11 01 11*	Aqueous rinsing liquids containing dangerous substances
03.14	Spent filtration and absorbent materials
0	Non-hazardous
15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
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
1	Hazardous
05 01 15*	spent filter clays
06 07 02*	Activated carbon from chlorine production
06 13 02*	spent activated carbon (except 06 07 02)
07 01 09*	halogenated filter cakes and spent absorbents

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07 01 10*	other filter cakes and spent absorbents
07 02 09*	halogenated filter cakes and spent absorbents
07 02 10*	other filter cakes and spent absorbents
07 03 09*	halogenated filter cakes and spent absorbents
07 03 10*	other filter cakes and spent absorbents
07 04 09*	halogenated filter cakes and spent absorbents
07 04 10*	other filter cakes and spent absorbents
07 05 09*	halogenated filter cakes and spent absorbents
07 05 10*	other filter cakes and spent absorbents
07 06 09*	halogenated filter cakes and spent absorbents
07 06 10*	other filter cakes and spent absorbents
07 07 09*	halogenated filter cakes and spent absorbents
07 07 10*	other filter cakes and spent absorbents
11 01 15*	eluate and sludges from membrane systems or ion exchange systems containing dangerous substances
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances
19 01 10*	spent activated carbon from flue-gas treatment
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 11 01*	spent filter clays

## Industrial effluent sludges (Items 7 and 8)

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Code	Description,	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
03.2	Industrial effluent sludges  Hazardous and non-hazardous	<p><b>Kind of waste:</b></p> <p>Sludges and solid residues from industrial waste water treatment</p> <p>Solid and liquid wastes from soil and groundwater remediation</p> <p>Sludges from boiler cleansing</p> <p>Wastes from cooling water preparation and cooling columns</p> <p>Drilling mud</p> <p><b>Origin:</b></p> <p>Wastes from waste water treatment and water preparation</p> <p><b>Hazardous:</b></p> <p>Hazardous when containing oil and heavy metals</p>	<p>De-inking sludges</p> <p>Machining sludges with low oil and metal content</p> <p>Steam degreasing waste</p> <p>Grease and (mineral) oil containing sludges from oil/water separators</p>	<p>In general all industrial branches with waste water treatment facilities.</p> <p>In detail:</p> <ul style="list-style-type: none"> <li>• <b>Textile industry</b> (13 Manufacture of textiles; 13.30 Finishing of textiles)</li> <li>• <b>Leather and fur industry</b> (15.11 Tanning and dressing of leather; dressing and dyeing of fur)</li> <li>• <b>Petroleum refining; waste oil regeneration</b> (19.20 Manufacture of refined petroleum products)</li> <li>• <b>Pyrolytic treatment of coal</b> (19.10 Manufacture of coke oven products)</li> <li>• <b>Chemical industry</b> (20.1 Manufacture of basic chemicals, fertilisers and nitrogen compounds, plastics and synthetic rubber in primary; 20.20 Manufacture of pesticides and other agrochemical products; 20.30 Manufacture of paints, varnishes and similar coatings, printing ink and; 20.4 Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations; 20.5 Manufacture of other chemical products; 21 Manufacture of basic pharmaceutical products and pharmaceutical preparations)</li> <li>• <b>Power stations and other combustion plants</b> (except waste incinerators) (35.11 Production of electricity; 35.30 Steam and air conditioning supply)</li> <li>• <b>Aluminium, lead zinc, copper, gold silver, platinum and other non-ferrous thermal metallurgy</b> (24.42 Aluminium production; 24.43 Lead, zinc and tin production; 24.44 Copper production; 24.45 Other non-ferrous metal production)</li> <li>• <b>Iron and steel industry</b> (24.10 Manufacture of basic iron and steel and of ferro-alloys)</li> <li>• <b>Chemical surface treatment and coating of metals and other materials</b> (25.6 Treatment and coating of metals;</li> </ul>	<p>Metal and oil containing sludges -&gt; see cat. 02.1</p> <p>Sludges from municipal waste water treatment -&gt; see cat. 11</p> <p>Grease and oil containing sludges from oil/water separators containing edible oil -&gt; see cat. 09.1</p> <p>Sludges from the production of printing inks, paints dyestuff, varnish and sealants -&gt; see cat. 02</p> <p>Sludges from food preparation -&gt; see cat. 09</p> <p>Sludges and liquid wastes from waste treatment -&gt; see cat. 03.3</p>

				machining) <ul style="list-style-type: none"> <li>• <b>Shaping and physical and mechanical surface treatment of metals</b> (25.6 Treatment and coating of metals; machining; 33.12 Repair of machinery)</li> <li>• <b>Preparation of water</b> (36.00 Water collection, treatment and supply)</li> <li>• <b>Waste water treatment plants</b> (37.00 Sewerage)</li> <li>• <b>Soil and groundwater remediation</b> (39.00 Remediation activities and other waste management services)</li> </ul>	
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### Industrial effluent sludges

#### 03.2 Industrial effluent sludges

##### 03.21 Sludges from industrial processes and effluent treatment

##### 0 Non-hazardous

03 03 05	de-inking sludges from paper recycling
03 03 10	fibre rejects, fibre-, filler- and coating sludges from mechanical separation
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 02 20	sludges from on-site effluent treatment other than those mentioned in 04 02 19
05 01 10	sludges from on-site effluent treatment other than those mentioned in 05 01 09
05 01 14	wastes from cooling columns
05 06 04	waste from cooling columns
06 05 03	sludges from on-site effluent treatment other than those mentioned in 06 05 02
07 01 12	sludges from on-site effluent treatment other than those mentioned in 07 01 11
07 02 12	sludges from on-site effluent treatment other than those mentioned in 07 02 11
07 03 12	sludges from on-site effluent treatment other than those mentioned in 07 03 11
07 04 12	sludges from on-site effluent treatment other than those mentioned in 07 04 11
07 05 12	sludges from on-site effluent treatment other than those mentioned in 07 05 11
07 06 12	sludges from on-site effluent treatment other than those mentioned in 07 06 11
07 07 12	sludges from on-site effluent treatment other than those mentioned in 07 07 11
10 01 21	sludges from on-site effluent treatment other than those mentioned in 10 01 20
10 01 23	aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
10 01 26	wastes from cooling-water treatment
10 02 12	wastes from cooling-water treatment other than those mentioned in 10 02 11



10 02 15	other sludges and filter cakes
10 03 28	wastes from cooling-water treatment other than those mentioned in 10 03 27
10 04 10	wastes from cooling-water treatment other than those mentioned in 10 04 09
10 05 09	wastes from cooling-water treatment other than those mentioned in 10 05 08
10 06 10	wastes from cooling-water treatment other than those mentioned in 10 06 09
10 07 08	wastes from cooling-water treatment other than those mentioned in 10 07 07
10 08 20	wastes from cooling-water treatment other than those mentioned in 10 08 19
10 11 20	solid wastes from on-site effluent treatment other than those mentioned in 10 11 19
10 12 13	sludge from on-site effluent treatment
11 01 10	sludges and filter cakes other than those mentioned in 11 01 09
12 01 15	machining sludges other than those mentioned in 12 01 14
16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01
16 10 04	aqueous concentrates other than those mentioned in 16 10 03
19 08 12	sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
19 08 14	sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
19 13 04	sludges from soil remediation other than those mentioned in 19 13 03
19 13 06	sludges from groundwater remediation other than those mentioned in 19 13 05
19 13 08	aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those mentioned in 19 13 07
1 Hazardous	
04 02 19*	sludges from on-site effluent treatment containing dangerous substances
05 01 09*	sludges from on-site effluent treatment containing dangerous substances
06 05 02*	sludges from on-site effluent treatment containing dangerous substances
07 01 11*	sludges from on-site effluent treatment containing dangerous substances
07 02 11*	sludges from on-site effluent treatment containing dangerous substances
07 03 11*	sludges from on-site effluent treatment containing dangerous substances
07 04 11*	sludges from on-site effluent treatment containing dangerous substances
07 05 11*	sludges from on-site effluent treatment containing dangerous substances
07 06 11*	sludges from on-site effluent treatment containing dangerous substances
07 07 11*	sludges from on-site effluent treatment containing dangerous substances
10 01 20*	sludges from on-site effluent treatment containing dangerous substances
10 01 22*	aqueous sludges from boiler cleansing containing dangerous substances
10 11 19*	solid wastes from on-site effluent treatment containing dangerous substances
11 01 09*	sludges and filter cakes containing dangerous substances
11 02 07*	other wastes containing dangerous substances
12 01 14*	machining sludges containing dangerous substances
16 10 01*	aqueous liquid wastes containing dangerous substances
16 10 03*	aqueous concentrates containing dangerous substances
19 08 11*	sludges containing dangerous substances from biological treatment of industrial waste water
19 08 13*	sludges containing dangerous substances from other treatment of industrial waste water
19 13 03*	sludges from soil remediation containing dangerous substances

- 19 13 05\* sludges from groundwater remediation containing dangerous substances
- 19 13 07\* aqueous liquid wastes and aqueous concentrates from groundwater remediation containing dangerous substances

#### 03.22 Sludges containing hydrocarbons

##### 1 Hazardous

- 01 05 05\* oil-containing drilling muds and wastes
- 10 02 11\* wastes from cooling-water treatment containing oil
- 10 03 27\* wastes from cooling-water treatment containing oil
- 10 04 09\* wastes from cooling-water treatment containing oil
- 10 05 08\* wastes from cooling-water treatment containing oil
- 10 06 09\* wastes from cooling-water treatment containing oil
- 10 07 07\* wastes from cooling-water treatment containing oil
- 10 08 19\* wastes from cooling-water treatment containing oil
- 12 03 01\* aqueous washing liquids
- 12 03 02\* steam degreasing wastes
- 16 07 08\* wastes containing oil
- 19 08 10\* grease and oil mixture from oil/water separation other than those mentioned in 19 08 09
- 19 11 03\* aqueous liquid wastes

**Sludges and liquid wastes from waste treatment (Items 9 and 10)**[back](#)

Code	Description,	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
03.3	Sludges and liquid wastes from waste treatment  Hazardous and non-hazardous	<p><b>Kind of waste:</b> Sludges/liquids from physico/chemical treatment</p> <p>Digestate and liquor from anaerobic treatment of organic waste</p> <p><b>Origin:</b> Waste treatment; landfills</p> <p><b>Hazardous:</b> Hazardous when containing toxic chemical compounds, oil, heavy metals or other dangerous substances</p>		<p>In general treatment of liquid and solid waste</p> <p>In detail:</p> <ul style="list-style-type: none"> <li>• <b>Physico/chemical treatments of waste</b> (38.2 Waste treatment and disposal)</li> <li>• <b>Anaerobic treatment of waste</b> (38.2 Waste treatment and disposal)</li> <li>• <b>Landfills</b> (38.2 Waste treatment and disposal)</li> <li>• <b>Oil regeneration</b> (38.2 Waste treatment and disposal)</li> </ul>	<p>Sludges from municipal waste water treatment -&gt; see cat. 11</p> <p>Sludges from industrial waste water treatment -&gt; see cat. 03.2</p> <p>Solid and liquid wastes from soil and groundwater remediation -&gt; see cat. 03.2</p> <p>Mineral wastes from wastes treatment -&gt; see cat. 12.8</p>

**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Sludges and liquid wastes from waste treatment**

## 03.3 Sludges and liquid wastes from waste treatment

## 03.31 Sludges and liquid wastes from waste treatment

## 0 Non-hazardous

19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05
19 04 04	aqueous liquid wastes from vitrified waste tempering
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 07 03	landfill leachate other than those mentioned in 19 07 02
19 11 06	sludges from on-site effluent treatment other than those mentioned in 19 11 05

## 1 Hazardous

19 02 05*	sludges from physico/chemical treatment containing dangerous substances
19 02 08*	liquid combustible wastes containing dangerous substances
19 02 11*	other wastes containing dangerous substances
19 07 02*	landfill leachate containing dangerous substances
19 11 05*	sludges from on-site effluent treatment containing dangerous substances

**Health care and biological waste (Items 11 and 12)**[back](#)

Code	Description,	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
05	Health care and biological waste  Hazardous and non-hazardous	<p><b>Kind of waste:</b> Comprises only biological waste from health care for animals and humans</p> <p>Like body parts and organs</p> <p><b>Origin:</b> Clinics and hospitals</p> <p><b>Hazardous:</b> Hazardous when the waste is infectious otherwise non-hazardous</p>	<p>Sharps from health care</p> <p>Plaster casts, clothing, diapers from hospitals</p>	<p>In general health care.</p> <p>In detail:</p> <ul style="list-style-type: none"> <li>• <b>Natal care, diagnosis, treatment or prevention of disease in humans</b> (86 Human health activities; 87 Residential care activities)</li> <li>• <b>Research, diagnosis, treatment or prevention of disease involving animals</b> (75.00 Veterinary activities)</li> </ul>	<p>Chemicals from hospitals and laboratories -&gt; see cat. 02</p> <p>Off-specification products, like medicines -&gt; see cat. 02</p>

**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Health care and biological wastes**

## 05 Health care and biological wastes

## 05.1 Infectious health care wastes

## 05.11 Human infectious health care wastes

## 1 Hazardous

18 01 03\* wastes whose collection and disposal is subject to special requirements in order to prevent infection

## 05.12 Animal infectious health care wastes

## 1 Hazardous

18 02 02\* wastes whose collection and disposal is subject to special requirements in order to prevent infection

## 05.2 Non-infectious health care wastes

## 05.21 Non-infectious human health care wastes

## 0 Non-hazardous

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 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)

## 05.22 Non-infectious animal health care wastes

## 0 Non-hazardous

18 02 01 sharps (except 18 02 02)

18 02 03 wastes whose collection and disposal is not subject to special requirements in order to prevent infection

**Metallic wastes, ferrous (Item 13)**[back](#)

Code	Description,	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
06.1	Metallic waste, ferrous  Non-hazardous	<b>Kind of waste:</b> Ferrous metals (like iron, steel) and alloys  <b>Origin:</b> Mechanical engineering and recycling of vehicles  <b>Hazardous:</b> Ferrous metallic wastes included are non-hazardous	Mill scales	In general metal processing.  In detail: <ul style="list-style-type: none"> <li>• <b>Iron and steel industry</b> (24.10 Manufacture of basic iron and steel and of ferro-alloys)</li> <li>• <b>Manufacture of ceramic goods, bricks, tiles and construction products</b> (23.20 Manufacture of refractory products; 23.3 Manufacture of clay building materials; 23.4 Manufacture of other porcelain and ceramic products)</li> <li>• <b>Shaping and physical and mechanical surface treatment of metals and plastics</b> (25.6 Treatment and coating of metals; machining; 33.12 Repair of machinery)</li> <li>• <b>End-of-life vehicles from different means of transport and dismantling of end-of-life vehicles</b> (38.3 Materials recovery)</li> <li>• <b>Construction and demolition wastes (including excavated soil from contaminated sites)</b> (41.20 Construction of residential and non-residential buildings; 42 Civil engineering; 43 Specialised construction)</li> <li>• <b>Shredding of metal-containing wastes</b> (38.3 Materials recovery)</li> <li>• <b>Mechanical treatment of waste</b> (38.3 Materials recovery)</li> </ul>	Metal compounds and –oxides, except alloys, see -> cat. 01.2,  Grinding, honing and lapping sludge containing oil, see -> cat. 01.3  Metallic packaging containing a dangerous solid porous matrix (for example asbestos), including empty pressure containers, see -> cat. 12.2  Batteries, -> see cat. 08.4  End-of-life vehicles -> see cat. 08.1

**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Metallic wastes, ferrous**

06 Metallic wastes

06.1 Metal waste, ferrous

06.11 Ferrous metal waste and scrap

0 Non-hazardous

10 02 10	mill scales
10 12 06	discarded molds
12 01 01	ferrous metal filings and turnings
12 01 02	ferrous metal dust and particles
16 01 17	ferrous metal
17 04 05	iron and steel
19 01 02	ferrous materials removed from bottom ash
19 10 01	iron and steel waste
19 12 02	ferrous metal



**Metallic wastes, non-ferrous (Item 14)**[back](#)

Code	Description,	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
06.2	Metallic waste, non-ferrous  Non-hazardous	<b>Kind of waste:</b> Non-ferrous metals (like aluminium, copper, zinc, lead, tin) and alloys  <b>Origin:</b> Mechanical engineering  <b>Hazardous:</b> The non-ferrous waste included are non-hazardous	Cables without dangerous substances	In general metal processing.  In detail: <ul style="list-style-type: none"> <li>• <b>Shaping and physical and mechanical surface treatment of metals and plastics</b> (25.6 Treatment and coating of metals; machining; 33.12 Repair of machinery)</li> <li>• <b>Hot galvanising processes</b> (25.61 treatment and coating of metals)</li> <li>• <b>End-of-life vehicles from different means of transport and dismantling of end-of-life vehicles</b> (38.3 Materials recovery)</li> <li>• <b>Construction and demolition wastes (including excavated soil from contaminated sites)</b> (41.20 Construction of residential and non-residential buildings; 42 Civil engineering; 43 Specialised construction)</li> <li>• <b>Shredding of metal-containing wastes</b> (38.3 Materials recovery)</li> <li>• <b>Mechanical treatment of waste</b> (38.3 Materials recovery)</li> </ul>	Metal compounds and –oxides, except alloys, see -> cat. 01.2,  Grinding, honing and lapping sludge containing oil, see -> cat. 01.3  Metallic packaging containing a dangerous solid porous matrix (for example asbestos), including empty pressure containers, see -> cat. 12.2  Spent catalysts -> see cat. 01.4  Mercury containing wastes, -> see cat. 01.2, 02.1; 03.1, 08.4, 10.2, 12.1, 12.4  Batteries, -> see cat. 08.41  Cables containing oil, coal tar and other dangerous substances -> see cat. 10.2  Wastes containing silver from photographic processes -> see cat. 10.2

**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Metallic wastes, non-ferrous**

## 06.2 Metal waste, non-ferrous

## 06.23 Other waste aluminium

## 0 Non-hazardous

17 04 02 aluminium

## 06.24 Copper waste

## 0 Non-hazardous

17 04 01 copper, bronze, brass

## 06.25 Lead waste

## 0 Non-hazardous

17 04 03 lead

## 06.26 Other metal wastes

## 0 Non-hazardous

11 05 01 hard zinc

12 01 03 non-ferrous metal filings and turnings

12 01 04 non-ferrous metal dust and particles

16 01 18 non-ferrous metal

17 04 04 zinc

17 04 06 tin

17 04 11 cables other than those mentioned in 17 04 10

19 10 02 non-ferrous waste

19 12 03 non-ferrous metal

**Metallic wastes, mixed ferrous and non-ferrous (Item 15)**[back](#)

Code	Description,	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
06.3	Metallic waste, mixed ferrous and non-ferrous  Non-hazardous	<p><b>Kind of waste:</b> Mixtures of ferrous and non-ferrous metals (like iron, steel, aluminium, copper, zinc, lead, tin) and alloys</p> <p><b>Origin:</b> Separate collection and construction and demolition</p> <p><b>Hazardous:</b> The metallic wastes are non-hazardous</p>		<p>In general separate collection and construction.</p> <p>In detail:</p> <ul style="list-style-type: none"> <li>• <b>Packaging (including separately collected municipal packaging waste); separately collected fractions; mechanical treatment of waste (for example sorting, crushing, compacting, pelletising)</b> (38.1 Waste collection; 38.3 Materials recovery)</li> <li>• <b>Agriculture, horticulture, aquaculture, forestry, hunting and fishing</b> (A Agriculture, forestry and fishing)</li> <li>• <b>Construction and demolition wastes (including excavated soil from contaminated sites)</b> (41.20 Construction of residential and non-residential buildings; 42 Civil engineering; 43 Specialised construction)</li> <li>• <b>Separately collected fractions</b> (38.1 Waste collection)</li> </ul>	<p>Metal compounds and –oxides, except alloys, see -&gt; cat. 01.2,</p> <p>Grinding, honing and lapping sludge containing oil, see -&gt; cat. 01.3</p> <p>Batteries, -&gt; see cat. 08.41</p> <p>End-of-life vehicles -&gt; see cat. 08.1</p>

**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Metallic wastes, mixed ferrous and non-ferrous**

- 06.3 Metal wastes, mixed ferrous and non-ferrous
  - 06.31 Mixed metallic packaging
    - 0 Non-hazardous
      - 15 01 04 metallic packaging
  - 06.32 Other mixed metallic wastes
    - 0 Non-hazardous
      - 02 01 10 waste metal
      - 17 04 07 mixed metals
      - 20 01 40 metals

**Glass waste (Items 16 and 17)**[back](#)

Code	Description,	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
07.1	Glass waste Hazardous and non-hazardous	<p><b>Kind of waste:</b></p> <p>Waste glass packaging</p> <p>Glass waste from production of glass and glass products</p> <p>Waste glass from sorting and recycling processes</p> <p><b>Origin:</b></p> <p>Production of glass products and container glass</p> <p><b>Hazardous:</b></p> <p>Hazardous in case of glass powder (particle size relevant) and when containing heavy metals</p>	Glass powder and fine particles from production of glass and glass products	<p>In general glass industry and separate collection.</p> <p>In detail:</p> <ul style="list-style-type: none"> <li>• <b>Manufacture of glass and glass products</b> (23.1 Manufacture of glass and glass products)</li> <li>• <b>End-of-life vehicles from different means of transport and dismantling of end-of-life vehicles</b> (38.3 Materials recovery)</li> <li>• <b>Wastes from electrical and electronic equipment</b> (38.3 Materials recovery)</li> <li>• <b>Other construction and demolition waste</b> (43.1 Demolition and site preparation)</li> <li>• <b>Mechanical treatment of waste</b> (38.3 Materials recovery)</li> <li>• <b>Separately collected fractions</b> (38.1 Waste collection)</li> </ul>	<p>Mixed glass waste from construction and demolition -&gt; see cat. 12.1</p> <p>Glass-based fibrous materials -&gt; see cat. 12.5</p> <p>Glass-polishing and grinding sludges -&gt; see cat. 12.5</p>

**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Glass wastes**

## 07 Non-metallic wastes

## 07.1 Glass wastes

## 07.11 Glass packaging

## 0 Non-hazardous

15 01 07 glass packaging

## 07.12 Other glass wastes

## 0 Non-hazardous

10 11 12 waste glass other than those mentioned in 10 11 11

16 01 20 glass

17 02 02 glass

19 12 05 glass

20 01 02 glass

## 1 Hazardous

10 11 11\* waste glass in small particles and glass powder containing heavy metals (e.g. from cathode ray tubes)

**Paper and cardboard waste (Item 18)**[back](#)

Code	Description,	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
07.2	Paper and cardboard waste Only non-hazardous	<p><b>Kind of waste:</b> Paper and cardboard waste from sorting and separate collection</p> <p><b>Origin:</b> Separate collection of waste paper</p> <p><b>Hazardous:</b> All paper and cardboard wastes are non hazardous</p>		<p>In general separate collection.</p> <p>In detail:</p> <ul style="list-style-type: none"> <li>• <b>Mechanical treatment of waste</b> (38.3 Materials recovery)</li> <li>• <b>Separately collected fractions</b> (38.1 Waste collection)</li> </ul>	<p>Mechanically separated rejects from pulping of waste paper and cardboard -&gt; see cat. 10.2</p> <p>Wastes from sorting of paper and cardboard destined for recycling -&gt; see cat. 10.2</p> <p>Fibre, filler and coating sludges from pulp, paper and cardboard production -&gt; see cat. 03.2</p>

**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Paper and cardboard wastes**

## 07.2 Paper and cardboard wastes

## 07.21 Waste paper and cardboard packaging

## 0 Non-hazardous

15 01 01 paper and cardboard packaging

## 07.23 Other paper and cardboard wastes

## 0 Non-hazardous

19 12 01 paper and cardboard

20 01 01 paper and cardboard

**Rubber wastes (Item 19)**[back](#)

Code	Description,	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
07.3	Rubber wastes Only non-hazardous	<b>Kind of waste:</b> End-of-life-tyres <b>Origin:</b> Maintenance of vehicles, end-of-life-vehicles <b>Hazardous:</b> Rubber wastes are non hazardous		Only waste tyres. • <b>Separately collected fractions</b> (38.1 Waste collection; 45.20 Maintenance and repair of motor vehicles)	All other wastes containing rubber Plastic and Rubber -> see cat. 07.4

**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Rubber wastes**

07.3 Rubber wastes

07.31 Used tyres

0 Non-hazardous

16 01 03 end-of-life tyres

**Plastic wastes (Item 20)**[back](#)

Code	Description,	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
07.4	Plastic wastes Only non-hazardous	<p><b>Kind of waste:</b></p> <p>Plastic packaging</p> <p>Plastic waste from plastic production and machining of plastics</p> <p>Plastic waste from sorting and separation processes</p> <p>Separately collected plastic waste</p> <p><b>Origin:</b></p> <p>Separate collection, production of plastic products</p> <p><b>Hazardous:</b></p> <p>All plastic wastes are non hazardous</p>	<p>Plastic wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing</p> <p>Plastic from dismantling end-of-life vehicles</p>	<p>In general waste plastic packaging from separate collection.</p> <p>In detail:</p> <ul style="list-style-type: none"> <li>• <b>Agriculture, horticulture, aquaculture, forestry, hunting and fishing</b> (A Agriculture, forestry and fishing)</li> <li>• <b>MFSU plastics, synthetic rubber and man-made fibres</b> (20.16 Manufacture of plastics in primary forms; 20.17 Manufacture of synthetic rubber in primary forms; 20.60 Manufacture of man-made fibres; 22.1 Manufacture of rubber products; 22.2 Manufacture of plastics products)</li> <li>• <b>Shaping, and physical and mechanical surface treatment of metals and plastics</b> (25.61 Treatment and coating of metals; 25.62 Machining)</li> <li>• <b>Construction and demolition</b> (41.20 Construction of residential and non-residential buildings; 42 Civil engineering; 43 Specialised construction)</li> <li>• <b>End-of-life vehicles from different means of transport and dismantling of end-of-life vehicles</b> (38.3 Materials recovery)</li> <li>• <b>Mechanical treatment of waste</b> (38.3 Materials recovery)</li> <li>• <b>Separately collected fractions</b> (38.1 Waste collection)</li> </ul>	<p>Mixed plastic wastes, insulation materials from construction and demolition -&gt; see cat. 12.1</p> <p>Contaminated plastic waste -&gt; see cat. 12.1</p> <p>Textile wastes containing synthetic fibres -&gt; see cat. 07.6</p> <p>Fluff-light fraction -&gt; see cat. 10.3</p>



**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Plastic wastes**

## 07.4 Plastic wastes

## 07.41 Plastic packaging wastes

## 0 Non-hazardous

15 01 02 plastic packaging

## 07.42 Other plastic wastes

## 0 Non-hazardous

02 01 04 waste plastics (except packaging)

07 02 13 waste plastic

12 01 05 plastics shavings and turnings

16 01 19 plastic

17 02 03 plastic

19 12 04 plastic and rubber

20 01 39 plastics

**Wood wastes (Items 21 and 22)**[back](#)

Code	Description,	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
07.5	Wood wastes Hazardous/ non- hazardous	<p><b>Kind of waste:</b></p> <p>Wooden packaging</p> <p>Sawdust, shavings, cuttings</p> <p>Waste bark, cork and wood from production of pulp and paper</p> <p>Wood from construction and demolition of buildings</p> <p>Separately collected wood waste</p> <p><b>Origin:</b></p> <p>Wood and paper processing and production</p> <p><b>Hazardous:</b></p> <p>Hazardous when containing hazardous substances like Hg or tar based wood preservatives</p>		<p>In general wood processing, pulp and paper industry and demolition of buildings.</p> <p>In detail:</p> <ul style="list-style-type: none"> <li>• <b>Wood processing and the production of panels and furniture</b> (16.1 Sawmilling and planing of wood; 16.2 Manufacture of products of wood; manufacture of articles of cork, straw and plaiting materials; 31 Manufacture of furniture)</li> <li>• <b>Pulp, paper and cardboard production and processing</b> (17.11 Manufacture of pulp; 17.12 Manufacture of paper and paperboard)</li> <li>• <b>Construction and demolition</b> (41.20 Construction of residential and non-residential buildings; 42 Civil engineering; 43 Specialised construction)</li> <li>• <b>Mechanical treatment of waste</b> (38.3 Materials recovery)</li> <li>• <b>Separately collected fractions</b> (38.1 Waste collection)</li> </ul>	<p>Mixed wastes containing wood -&gt; see cat. 12.1</p> <p>PCB containing wood -&gt; see cat. 07.7</p>

**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Wood wastes**

## 07.5 Wood wastes

## 07.51 Wood packaging

## 0 Non-hazardous

15 01 03 wooden packaging

## 07.52 Sawdust and shavings

## 0 Non-hazardous

03 01 05 sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04

## 1 Hazardous

03 01 04\* sawdust, shavings, cuttings, wood, particle board and veneer containing dangerous substances

## 07.53 Other wood wastes

## 0 Non-hazardous

03 01 01 waste bark and cork

03 03 01 waste bark and wood

17 02 01 Wood

19 12 07 wood other than that mentioned in 19 12 06

20 01 38 wood other than that mentioned in 20 01 37

## 1 Hazardous

19 12 06\* wood containing dangerous substances

20 01 37\* wood containing dangerous substances

## 07.53 Other wood wastes

**Textile wastes (Item 23)**[back](#)

Code	Description,	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
07.6	Textile wastes Only non-hazardous	<p><b>Kind of waste:</b></p> <p>Textile and leather waste</p> <p>Textile packaging</p> <p>Worn clothes and used textiles</p> <p>Waste from fibre preparation and processing (man-made and natural fibres)</p> <p>Waste tanned leather</p> <p>Separately collected textile and leather waste</p> <p><b>Origin:</b></p> <p>Textile and leather industry, separate collection</p> <p><b>Hazardous:</b></p> <p>All textile wastes are non hazardous</p>	<p>Organic matter from natural products (e.g. grease, wax)</p> <p>Fleshings and lime split from leather processing</p>	<p>In general textile and leather wastes from households and production.</p> <p>In detail:</p> <ul style="list-style-type: none"> <li>• <b>Leather and fur industry</b> (15.1 Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur; 15.2 Manufacture of footwear; 14.11 Manufacture of leather clothes)</li> <li>• <b>Textile industry</b> (13.10 Preparation and spinning of textile fibres; 13.20 Textile weaving; 13.30 Finishing of textiles; 13.9 Manufacture of other textiles; 14 Manufacture of wearing apparel)</li> <li>• <b>Mechanical treatment of waste</b> (38.3 Materials recovery)</li> <li>• <b>Separately collected fractions</b> (38.1 Waste collection)</li> </ul>	<p>Mixed wastes containing textiles -&gt; see cat. 12.1</p> <p>Wiping cloths, protective clothing -&gt; see cat. 03.1</p>

**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Textile wastes**

## 07.6 Textile wastes

## 07.61 Worn clothing

## 0 Non-hazardous

20 01 10 Clothes

## 07.62 Miscellaneous textiles wastes

## 0 Non-hazardous

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 21 wastes from unprocessed textile fibres

04 02 22 wastes from processed textile fibres

15 01 09 textile packaging

19 12 08 Textiles

20 01 11 Textiles

## 07.63 Leather wastes

## 0 Non-hazardous

04 01 01 fleshings and lime split wastes

04 01 02 liming waste

04 01 08 waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium

**Wastes containing PCB (Item 24)**[back](#)

Code	Description,	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
07.7	Wastes containing PCB Only hazardous	<p><b>Kind of waste:</b></p> <p>Oil containing PCB; e.g. hydraulic oil, insulation and heat transmission oil from (old) transformers</p> <p>PCB containing components from (old) post-consumer products, esp. capacitors</p> <p>Construction and demolition wastes containing PCB, e.g. sealants resin-based floorings</p> <p><b>Origin:</b></p> <p>Electrical and electronic equipment</p> <p><b>Hazardous:</b></p> <p>All wastes containing PCB are hazardous</p>		<p>In general all PCB contaminated materials.</p> <p>In detail:</p> <ul style="list-style-type: none"> <li>• <b>Construction and demolition wastes</b> (43.1 Demolition; and site preparation; 43.2 Electrical, plumbing and other construction installation activities)</li> <li>• <b>Mechanical treatment of waste</b> (38.3 Materials recovery)</li> <li>• <b>Separately collected fractions</b> (38.1 Waste collection)</li> </ul>	

**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Waste containing PCB**

## 07.7 Waste containing PCB

## 07.71 Oils containing PCBs

## 1 Hazardous

13 01 01\* hydraulic oils, containing PCB

13 03 01\* insulating or heat transmission oils containing PCBs

## 07.72 Equipment containing or contaminated by PCBs

## 1 Hazardous

16 01 09\* components containing PCBs

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

## 07.73 Construction and demolition waste containing PCBs

## 1 Hazardous

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)

**Discarded equipment (Items 25 and 26)**[back](#)

Code	Description,	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
08	Discarded equipment Hazardous, non-hazardous	<p><b>Kind of waste:</b> Discarded electrical and electronic equipment, e.g. small and large household equipment, IT equipment, electric tools</p> <p>Fluorescent tubes</p> <p><b>Origin:</b> Households, separate collection</p> <p><b>Hazardous:</b> Hazardous when containing dangerous substances, e.g. heavy metal, esp. mercury, chromate, lead, chlorofluoro-carbon, oil or explosives</p>	<p>Single use cameras with and without batteries;</p> <p>Components removed from electrical and electronic equipment</p> <p>Components removed from end-of-life vehicles, e.g. brake pads, oil filters, tanks for liquefied gas, air bags</p>	<p>In general separate collection in accordance with EU-Directives on electrical and electronic equipment and end-of-life-vehicles.</p> <p>In detail:</p> <ul style="list-style-type: none"> <li>• <b>End-of-life vehicles from different means of transport and dismantling of end-of-life vehicles</b> (38.3 Materials recovery)</li> <li>• <b>Electrical and electronic equipment</b> (38.3 Materials recovery; 33.13 Repair of electronic and optical equipment; 33.14 Repair of electrical equipment; 45.20 Maintenance and repair of motor vehicles; 45.4 Sale, maintenance and repair of motorcycles and related parts and accessories)</li> <li>• <b>Separately collected fractions</b> (38.1 Waste collection)</li> </ul>	<p>Discarded vehicles -&gt; see cat. 08.1</p> <p>Batteries and accumulator wastes -&gt; see cat. 08.41</p> <p>PCB containing components, e.g. capacitors -&gt; see cat. 07.7</p>



**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Discarded equipment**

## 08 Discarded equipment

**08.1 Discarded vehicles** **Not included in cat. 08, see cat. 08.1**

## 08.2 Discarded electrical and electronic equipment

## 08.2.1 Discarded major household equipment

## 1 Hazardous

16 02 11\* discarded equipment containing chlorofluorocarbons, HCFC, HFC

20 01 23\* discarded equipment containing chlorofluorocarbons

## 08.2.3 Other discarded electrical and electronic equipment

## 0 Non-hazardous

09 01 10 single-use cameras without batteries

09 01 12 single-use cameras containing batteries other than those mentioned in 09 01 11

16 02 14 discarded equipment other than those mentioned in 16 02 09 to 16 02 13

20 01 36 discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35

## 1 Hazardous

09 01 11\* single-use cameras containing batteries included in 16 06 01, 16 06 02 or 16 06 03

16 02 13\* discarded equipment containing hazardous components<sup>7</sup> other than those mentioned in 16 02 09 to 16 02 12

20 01 35\* discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components

## 08.4 Discarded machines and equipment components

**08.4.1 Batteries and accumulators wastes** **Not included in cat. 08, see cat. 08.4.1**

## 08.4.3 Other discarded machines and equipment components

## 0 Non-hazardous

16 01 12 brake pads other than those mentioned in 16 01 11

16 01 16 tanks for liquefied gas

16 01 22 components not otherwise specified

16 02 16 components removed from discarded equipment other than those mentioned in 16 02 15

## 1 Hazardous

16 01 07\* oil filters

16 01 08\* components containing mercury

16 01 10\* explosive components (e.g. air bags)

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 02 15\* hazardous components removed from discarded equipment

20 01 21\* fluorescent tubes and other mercury-containing waste

**Discarded vehicles (Items 27 and 28)**[back](#)

Code	Description,	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
08.1	Discarded vehicles Hazardous, non-hazardous	<b>Kind of waste:</b> All kinds of end-of-life-vehicles <b>Origin:</b> Business and households <b>Hazardous:</b> Hazardous when containing dangerous substances, e.g. cooling liquids, engine oil or fuel, chlorofluorocarbons from air condition		In general separate collection in accordance with EU-Directive End-of-life-vehicles. In detail: <ul style="list-style-type: none"> <li><b>End-of-life vehicles from different means of transport and dismantling of end-of-life vehicles</b> (38.3 Materials recovery; 45.20 Maintenance and repair of motor vehicles; 45.4 Sale, maintenance and repair of motorcycles and related parts and accessories)</li> <li><b>Separately collected fractions</b> (38.1 Waste collection)</li> </ul>	Discarded components of end-of-life-vehicles -> see cat. 08 Batteries and accumulator wastes -> see cat. 08.41 PCB containing components, e.g. capacitors -> see cat. 07.7 Used tyres -> see cat. 07.3

**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Discarded vehicles**

08.1 Discarded vehicles

08.12 Other discarded vehicles

0 Non-hazardous

16 01 06 end-of-life vehicles, containing neither liquids nor other hazardous components

1 Hazardous

16 01 04\* end-of-life vehicles

**Batteries and accumulators wastes (Items 29 and 30)**[back](#)

Code	Description,	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
08.41	Batteries and accumulators wastes  Hazardous, non-hazardous	<b>Kind of waste:</b> All kinds of batteries and accumulators  <b>Origin:</b> Households, separate collection  <b>Hazardous:</b> Hazardous when containing dangerous substances, e.g. nickel, cadmium, mercury, lead and unsorted batteries and accumulators wastes		In general private households.  In detail: <ul style="list-style-type: none"> <li>• <b>Households</b> (97 Activities of households as employers of domestic personnel; 98 Undifferentiated goods- and services-producing activities of private households for own use)</li> <li>• <b>Mechanical treatment of waste</b> (38.3 Materials recovery)</li> <li>• <b>Separately collected fractions</b> (38.1 Waste collection)</li> </ul>	Single use cameras containing batteries -> see cat. 08

**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Batteries and accumulators wastes**

## 08.41 Batteries and accumulators wastes

## 0 Non-hazardous

- 16 06 04 alkaline batteries (except 16 06 03)
- 16 06 05 other batteries and accumulators
- 20 01 34 batteries and accumulators other than those mentioned in 20 01 33

## 1 Hazardous

- 16 06 01\* lead batteries
- 16 06 02\* Ni-Cd batteries
- 16 06 03\* mercury- containing batteries
- 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

**Animal and mixed food waste (Item 31)**[back](#)

Code	Description,	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
09.1	Animal and mixed food waste of food preparation and products  Only non-hazardous	<p><b>Kind of waste:</b> Animal waste of food preparation and products, incl. sludges from washing and cleaning</p> <p>Mixed wastes of food preparation and products incl. biodegradable kitchen / canteen wastes, and edible oils and fats</p> <p><b>Origin:</b> Food preparation and agriculture Separate collection</p> <p><b>Hazardous:</b> Animal and mixed waste of food preparation and products is non hazardous</p>	Wastes from preserving agents	<p>In general food production.</p> <p>In detail:</p> <ul style="list-style-type: none"> <li>• <b>Preparation and processing of meat, fish and other foods of animal origin</b> (10.1 Processing and preserving of meat and production of meat products; 10.2 Processing and preserving of fish, crustaceans and molluscs; 10.85 Manufacture of prepared meals and dishes)</li> <li>• <b>Agriculture, horticulture, aquaculture, forestry, hunting and fishing</b> (A Agriculture, forestry and fishing)</li> <li>• <b>Dairy products industry</b> (10.5 Manufacture of dairy products)</li> <li>• <b>Separately collected fractions</b> (38.1 Waste collection)</li> </ul>	<p>Vegetal wastes of food preparation and products -&gt; see cat. 09.2</p> <p>Animal wastes from leather preparation, e.g. fleshings and lime split wastes -&gt; see cat. 07.6</p> <p>Sludges from on-site effluent treatment from food preparation / processing -&gt; see cat. 11</p>

**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Animal and mixed food waste**

## 09 Animal and vegetal wastes

## 09.1 Animal and mixed food waste

## 09.11 Animal waste of food preparation and products

## 0 Non-hazardous

- 02 01 02 animal-tissue waste
- 02 02 01 sludges from washing and cleaning
- 02 02 02 animal-tissue waste
- 02 02 03 materials unsuitable for consumption or processing
- 02 05 01 materials unsuitable for consumption or processing

## 09.12 Mixed waste of food preparation and products

## 0 Non-hazardous

- 02 03 02 wastes from preserving agents
- 02 06 02 wastes from preserving agents
- 19 08 09 grease and oil mixture from oil/water separation containing only edible oil and fats
- 20 01 08 biodegradable kitchen and canteen waste
- 20 01 25 edible oil and fat

## Vegetal wastes (Item 32)

[back](#)

Code	Description,	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
09.2	Vegetal wastes Only non-hazardous	<p><b>Kind of waste:</b> Vegetal waste from food preparation and products, including sludges from washing and cleaning</p> <p><b>Origin:</b> Agriculture and food production Separate collection</p> <p><b>Hazardous:</b> Only non-hazardous</p>	<p>Wastes from solvent extraction</p> <p>Wastes from spirit distillation</p> <p>Green waste</p>	<p>In general food production.</p> <p>In detail:</p> <ul style="list-style-type: none"> <li>• <b>Agriculture, horticulture, aquaculture, forestry, hunting and fishing</b> (A Agriculture, forestry and fishing)</li> <li>• <b>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> (10.3 Processing and preserving of fruit and vegetables; 10.4 Manufacture of vegetable and animal oils and fats; 10.6 Manufacture of grain mill products, starches and starch products; 10.73 Manufacture of macaroni, noodles, couscous and similar farinaceous products; 10.82 Manufacture of cocoa, chocolate and sugar confectionery; 10.83 Processing of tea and coffee; 10.84 Manufacture of condiments and seasonings; 10.85 Manufacture of prepared meals and dishes; 10.86 Manufacture of homogenised food preparations and dietetic food; 10.89 Manufacture of other food products n.e.c.; 12 Manufacture of tobacco products)</li> <li>• <b>Sugar processing</b> (10.81 Manufacture of sugar)</li> <li>• <b>Dairy products industry</b> (10.5 Manufacture of dairy products)</li> <li>• <b>Baking and confectionery industry</b> (10.71 Manufacture of bread; manufacture of fresh pastry goods and cakes; 10.72 Manufacture of rusks and biscuits; manufacture of preserved pastry goods and cakes)</li> <li>• <b>Production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)</b> (11 Manufacture of beverages)</li> <li>• <b>Separately collected fractions</b> (38.1 Waste collection)</li> </ul>	<p>Animal and mixed wastes from food preparation and products -&gt; see cat. 09.1</p> <p>Wood wastes like bark and cork -&gt; see cat. 07.5</p> <p>Sludges from on-site effluent treatment from food preparation / processing -&gt; see cat. 11</p> <p>Soil from cleaning and washing beet -&gt; see cat. 12.3</p>

**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Vegetal wastes**

## 09.2 Vegetal wastes

## 09.21 Green wastes

## 0 Non-hazardous

02 01 07 wastes from forestry

20 02 01 biodegradable waste

## 09.22 Vegetal waste of food preparation and products

## 0 Non-hazardous

02 01 01 sludges from washing and cleaning

02 01 03 plant-tissue waste

02 03 01 sludges from washing, cleaning, peeling, centrifuging and separation

02 03 03 wastes from solvent extraction

02 03 04 materials unsuitable for consumption or processing

02 06 01 materials unsuitable for consumption or processing

02 07 01 wastes from washing, cleaning and mechanical reduction of raw materials

02 07 02 wastes from spirits distillation

02 07 04 materials unsuitable for consumption or processing

**Animal faeces, urine and manure (Item 33)**[back](#)

Code	Description,	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
09.3	Animal faeces, urine and manure  Only non-hazardous	<b>Kind of waste:</b> Slurry and manure Including spoiled straw  <b>Origin:</b> Agriculture  <b>Hazardous:</b> Animal faeces, urine and manure are non hazardous	Effluent collected separately and treated off-site	In general agriculture.  • <b>Agriculture, horticulture, aquaculture, forestry, hunting and fishing</b> (A Agriculture, forestry and fishing)	Effluents treated on site -> no waste

**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Animal faeces, slurry and manure**

09.3 Slurry and manure

09.31 Slurry and manure

0 Non-hazardous

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



**Household and similar wastes (Item 34)**[back](#)

Code	Description	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
10.1	Household and similar wastes  Only non-hazardous	<p><b>Kind of waste:</b> Mixed municipal waste, bulky waste, street cleaning waste, kitchen waste, household equipment</p> <p>Except separately collected fractions</p> <p><b>Origin:</b> The main amount comes from private households</p> <p>Similar wastes from commerce which are not related directly to the production or the services</p> <p><b>Hazardous:</b> Only non-hazardous household waste</p>	<p>Street-cleaning residues</p> <p>Waste from markets</p>	<p>In general households and all other commercial and administrative branches.</p> <p>In detail:</p> <ul style="list-style-type: none"> <li>• <b>Households</b> (97 Activities of households as employers of domestic personnel; 98 Undifferentiated goods- and services-producing activities of private households for own use)</li> <li>• <b>Municipal waste collection</b> (38.1 Waste collection)</li> </ul>	<p>Separately collected waste fractions like:</p> <p>Glass -&gt;see cat. 07.1,</p> <p>Paper -&gt;see cat. 07.2,</p> <p>Metal -&gt; see cat. 06,</p> <p>Plastic -&gt; see cat. 7.4</p> <p>Electronic equipment -&gt; see cat. 08</p> <p>Batteries and accumulators -&gt; see cat. 08.41</p> <p>Biodegradable waste -&gt; see cat. 09</p> <p>Household and similar wastes containing dangerous substances</p>

**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Household and similar wastes**

## 10 Mixed wastes

## 10.1 Household and similar wastes

## 10.11 Household wastes

## 0 Non-hazardous

20 03 01 mixed municipal waste

20 03 02 waste from markets

20 03 07 bulky waste

20 03 99 municipal wastes not otherwise specified

## 10.12 Street cleaning wastes

## 0 Non-hazardous

20 03 03 street-cleaning residues

**Mixed and undifferentiated materials (Items 35 and 36)**[back](#)

Code	Description	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
10.2	Mixed and undifferentiated materials	<p><b>Kind of waste:</b> Unspecific wastes and mixed waste</p> <p><b>Origin:</b> Unspecific waste from nearly all industries and from waste treatment</p> <p><b>Hazardous:</b> When containing heavy metals or organic pollutants, e. g. oil</p>	<p>Mixed and composite packaging</p> <p>Welding waste</p> <p>Screenings from waste water treatment</p> <p>Mechanically separated rejects from pulping of waste paper and cardboard</p> <p>Wastes from sorting of paper and cardboard</p> <p>Photographic film and paper</p> <p>Wastes containing silver from photographic processes</p> <p>Amalgam waste from dental care</p> <p>Cables containing oil, coal tar and other dangerous substances</p> <p>Metal waste contaminated with dangerous substances</p>	<p>No general waste source.</p> <p>Contains predominantly <b>LoW 99-codes</b> that are destined for non-hazardous wastes which can not be assigned to a specific waste code (see decision tree in the addendum).</p> <p>Further mixed and undifferentiated wastes originate from:</p> <ul style="list-style-type: none"> <li>• <b>Pulp, paper and cardboard production and processing</b> (17.11 Manufacture of pulp; 17.12 Manufacture of paper and paperboard)</li> <li>• <b>Photographic industry</b> (18.13 Pre-press and pre-media services; 74.20 Photographic activities)</li> <li>• <b>Shaping and physical and mechanical surface treatment of metals and plastics</b> (25.6 Treatment and coating of metals; machining; 33.12 Repair of machinery)</li> <li>• <b>Construction and demolition wastes</b> (41 Construction of buildings; 42 Civil engineering; 43 Specialised construction)</li> <li>• <b>Waste water treatment plants</b> (37.00 Sewerage)</li> <li>• <b>Natal care, diagnosis, treatment or prevention of disease in humans</b> (86 Human health activities)</li> </ul>	<p>Wood preservatives not otherwise specified -&gt; see cat. 02.1</p> <p>Oil waste not otherwise specified -&gt; see cat. 03.1</p> <p>Municipal wastes not otherwise specified -&gt; see cat. 10.1</p>

**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Mixed and undifferentiated materials**

## 10.2 Mixed and undifferentiated materials

## 10.21 Mixed packaging

## 0 Non-hazardous

15 01 05 composite packaging

15 01 06 mixed packaging

## 10.22 Other mixed and undifferentiated materials

## 0 Non-hazardous

01 03 99 wastes not otherwise specified

01 04 99 wastes not otherwise specified

01 05 99 wastes not otherwise specified

02 01 99 wastes not otherwise specified

02 02 99 wastes not otherwise specified

02 03 99 wastes not otherwise specified

02 04 99 wastes not otherwise specified

02 05 99 wastes not otherwise specified

02 06 99 wastes not otherwise specified

02 07 99 wastes not otherwise specified

03 01 99 wastes not otherwise specified

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 99 wastes not otherwise specified

04 01 99 wastes not otherwise specified

04 02 99 wastes not otherwise specified

05 01 99 wastes not otherwise specified

05 06 99 wastes not otherwise specified

05 07 99 wastes not otherwise specified

06 01 99 wastes not otherwise specified

06 02 99 wastes not otherwise specified

06 03 99 wastes not otherwise specified

06 04 99 wastes not otherwise specified

06 06 99 wastes not otherwise specified

06 07 99 wastes not otherwise specified

06 08 99 wastes not otherwise specified

06 09 99 wastes not otherwise specified

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06 10 99	wastes not otherwise specified
06 11 99	wastes not otherwise specified
06 13 99	wastes not otherwise specified
07 01 99	wastes not otherwise specified
07 02 99	wastes not otherwise specified
07 03 99	wastes not otherwise specified
07 04 99	wastes not otherwise specified
07 05 99	wastes not otherwise specified
07 06 99	wastes not otherwise specified
07 07 99	wastes not otherwise specified
08 01 99	wastes not otherwise specified
08 02 99	wastes not otherwise specified
08 03 99	wastes not otherwise specified
08 04 99	wastes not otherwise specified
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 99	wastes not otherwise specified
10 01 99	wastes not otherwise specified
10 02 99	wastes not otherwise specified
10 03 99	wastes not otherwise specified
10 04 99	wastes not otherwise specified
10 05 99	wastes not otherwise specified
10 06 99	wastes not otherwise specified
10 07 99	wastes not otherwise specified
10 08 99	wastes not otherwise specified
10 09 99	wastes not otherwise specified
10 10 99	wastes not otherwise specified
10 11 99	wastes not otherwise specified
10 12 99	wastes not otherwise specified
10 13 99	wastes not otherwise specified
11 01 99	wastes not otherwise specified
11 02 99	wastes not otherwise specified
11 05 99	wastes not otherwise specified
12 01 13	welding wastes
12 01 99	wastes not otherwise specified
16 01 99	wastes not otherwise specified
16 03 04	inorganic wastes other than those mentioned in 16 03 03

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16 03 06	organic wastes other than those mentioned in 16 03 05
16 07 99	wastes not otherwise specified
19 01 99	wastes not otherwise specified
19 02 99	wastes not otherwise specified
19 05 99	wastes not otherwise specified
19 06 99	wastes not otherwise specified
19 08 01	screenings
19 08 99	wastes not otherwise specified
19 09 99	wastes not otherwise specified
19 11 99	wastes not otherwise specified
20 01 99	other fractions not otherwise specified
1 Hazardous	
09 01 06*	wastes containing silver from on-site treatment of photographic wastes
16 03 03*	inorganic wastes containing dangerous substances
16 03 05*	organic wastes containing dangerous substances
17 04 09*	metal waste contaminated with dangerous substances
17 04 10*	cables containing oil, coal tar and other dangerous substances
18 01 10*	amalgam waste from dental care

**Sorting residues (Items 37 and 38)**[back](#)

Code	Description	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non- <b>bold</b> )	Excludes
10.3	Sorting residues	<p><b>Kind of waste:</b></p> <p>Sorting residues from mechanical sorting processes for waste, like screening, fluff-light fraction</p> <p>combustible waste (refuse derived fuel)</p> <p>non composted fractions of biodegradable waste</p> <p><b>Origin:</b></p> <p>Mainly from waste treatment processes</p> <p><b>Hazardous:</b></p> <p>When containing heavy metals or organic pollutants, e.g. oil</p>	<p>Premixed and combustible wastes from physico/chemical treatment of waste</p> <p>Off-specification compost</p>	<p>In general waste treatment and separate collection.</p> <p>In detail:</p> <ul style="list-style-type: none"> <li>• <b>Physico/chemical treatments of waste</b> (38.2 Waste treatment and disposal)</li> <li>• <b>Aerobic treatment of solid wastes</b> (38.2 Waste treatment and disposal)</li> <li>• <b>Waste water treatment plants</b> (37.00 Sewerage)</li> <li>• <b>Shredding of metal-containing wastes</b> (38.3 Materials recovery)</li> <li>• <b>Mechanical treatment of waste (for example sorting, crushing, compacting, pelletising)</b> (38.3 Materials recovery)</li> </ul>	<p>Sorting residues from demolition -&gt; see cat. 12</p> <p>Wastes from sorting of paper and cardboard in the pulp and paper industry -&gt; see cat. 10.2</p>

**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Sorting residues**

## 10.3 Sorting residues

## 10.32 Other sorting residues

## 0 Non-hazardous

19 02 03	premixed wastes composed only of non-hazardous wastes
19 02 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09
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 10 04	fluff-light fraction and dust other than those mentioned in 19 10 03
19 10 06	other fractions other than those mentioned in 19 10 05
19 12 10	combustible waste (refuse derived fuel)
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11

## 1 Hazardous

19 02 04*	premixed wastes composed of at least one hazardous waste
19 02 09*	solid combustible wastes containing dangerous substances
19 04 03*	non-vitrified solid phase
19 10 03*	fluff-light fraction and dust containing dangerous substances
19 10 05*	other fractions containing dangerous substances
19 12 11*	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances



## Common sludges (Item 39)

[back](#)

Code	Description	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
11	Common sludges Only non-hazardous	<p><b>Kind of waste:</b> Waste water treatment sludges from municipal sewerage water and organic sludges from food preparation and processing</p> <p><b>Origin:</b> Households, municipal and industrial waste water treatment plants mainly in food processing industry</p> <p><b>Hazardous:</b> All common sludges are non-hazardous</p>	<p>Boiler feed water sludges</p> <p>Sludges from water clarification</p> <p>Sludges from on-site effluent treatment of paper industry</p> <p>Cesspit contents</p>	<p>In general waste water from private households and industrial branches with organic waste water (mainly pulp and paper as well as food preparation and processing).</p> <p>In detail:</p> <ul style="list-style-type: none"> <li>• <b>Pulp, paper and cardboard production and processing</b> (17.11 Manufacture of pulp; 17.12 Manufacture of paper and paperboard)</li> <li>• <b>Preparation and processing of meat, fish and other foods of animal origin</b> (10.1 Processing and preserving of meat and production of meat products; 10.2 Processing and preserving of fish, crustaceans and molluscs)</li> <li>• <b>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> (10.3 Processing and preserving of fruit and vegetables; 10.4 Manufacture of vegetable and animal oils and fats; 10.6 Manufacture of grain mill products, starches and starch products; 10.73 Manufacture of macaroni, noodles, couscous and similar farinaceous products; 10.82 Manufacture of cocoa, chocolate and sugar confectionery; 10.83 Processing of tea and coffee; 10.84 Manufacture of condiments and seasonings; 10.85 Manufacture of prepared meals and dishes; 10.86 Manufacture of homogenised food preparations and dietetic food; 10.89 Manufacture of other food products n.e.c.; 12 Manufacture of tobacco products)</li> <li>• <b>Sugar processing</b> (10.81 Manufacture of sugar)</li> <li>• <b>Dairy products industry</b> (10.5 Manufacture of dairy products)</li> <li>• <b>Baking and confectionery industry</b> (10.71 Manufacture of bread; manufacture of fresh pastry goods and cakes; 10.72 Manufacture of rusks and biscuits; manufacture of preserved pastry goods and cakes)</li> <li>• <b>Production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)</b> (11 Manufacture of</li> </ul>	<p>Excludes all hazardous sludges</p> <p>Inorganic sludges from industrial waste water treatment -&gt; see cat. 03.2</p> <p>Sludges containing paint, varnish, inks, adhesives, resins and sealants -&gt; see cat. 02</p> <p>Oil sludges -&gt; see cat. 01.3 and 03.1</p> <p>Sludges from gas treatment -&gt; see cat. 12.4</p> <p>Solvent containing sludges -&gt; see cat. 01</p> <p>Fibre rejects, fibre-, filler- and coating-sludges from mechanical separation of wood and paper -&gt; see cat. 03.2</p> <p>Sludges from decarbonising -&gt; see cat. 03.1</p> <p>Solutions and sludges from regeneration of ion exchangers -&gt; see cat. 03.1</p> <p>Sludges from waste treatment -&gt; see cat. 03.3</p>

				beverages) <ul style="list-style-type: none"> <li>• <b>Waste water treatment plants</b> (37.00 Sewerage)</li> <li>• <b>Preparation of water intended for human consumption or water for industrial use</b> (36 Water collection, treatment and supply)</li> </ul>	
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## Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence

### Common sludges (excluding dredging spoils)

#### 11 Common sludges

##### 11.1 Waste water treatment sludges

##### 11.11 Sludges from treatment of public sewerage water

##### 0 Non-hazardous

19 08 05 sludges from treatment of urban waste water

##### 11.12 Biodegradable sludges from treatment of other waste water

##### 0 Non-hazardous

02 02 04 sludges from on-site effluent treatment

02 03 05 sludges from on-site effluent treatment

02 04 03 sludges from on-site effluent treatment

02 05 02 sludges from on-site effluent treatment

02 06 03 sludges from on-site effluent treatment

02 07 05 sludges from on-site effluent treatment

03 03 11 sludges from on-site effluent treatment other than those mentioned in 03 03 10

##### 11.2 Sludges from purification of drinking and process water

##### 11.21 Sludges from purification of drinking and process water

##### 0 Non-hazardous

05 01 13 boiler feedwater sludges

19 09 02 sludges from water clarification

##### 11.4 Cesspit contents

##### 11.41 Cesspit contents

##### 0 Non-hazardous

20 03 04 septic tank sludge

20 03 06 waste from sewage cleaning

**Mineral waste from construction and demolition (Items 40 and 41)**[back](#)

Code	Description	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
12.1	Mineral waste from construction and demolition	<p><b>Kind of waste:</b> Concrete, bricks, and gypsum waste from construction and demolition</p> <p>Insulation materials</p> <p>Mixed construction wastes</p> <p>Track ballast</p> <p><b>Origin:</b> Construction and demolition</p> <p><b>Hazardous:</b> When containing, oil, heavy metals, coal tar, organic pollutants</p>	Waste hydrocarbonised road-surfacing material	<p>In general construction and demolition activities.</p> <p>In detail:</p> <ul style="list-style-type: none"> <li>• <b>Construction and demolition wastes</b> (41 Construction of buildings; 42 Civil engineering; 43 Specialised construction)</li> </ul>	<p>Solid waste from soil remediation -&gt; see cat. 12.3</p> <p>Soils and stones -&gt; see cat. 12.6</p> <p>Insulation and construction materials containing asbestos -&gt; see cat. 12.2</p> <p>PCB containing wastes -&gt; see cat. 07.7</p> <p>Pure and sorted fractions of glass -&gt; see cat. 07.1</p>

**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Mineral waste from construction and demolition**

## 12 Mineral wastes

## 12.1 Construction and demolition wastes

## 12.11 Concrete, bricks and gypsum waste

## 0 Non-hazardous

- 17 01 01 concrete
- 17 01 02 bricks
- 17 01 03 tiles and ceramics
- 17 01 07 mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
- 17 05 08 track ballast other than those mentioned in 17 05 07
- 17 08 02 gypsum-based construction materials other than those mentioned in 17 08 01

## 1 Hazardous

- 17 01 06\* mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing dangerous substances
- 17 05 07\* track ballast containing dangerous substances
- 17 08 01\* gypsum-based construction materials contaminated with dangerous substances

## 12.12 Waste hydrocarbonised road-surfacing material

## 0 Non-hazardous

- 17 03 02 bituminous mixtures other than those mentioned in 17 03 01

## 1 Hazardous

- 17 03 01\* bituminous mixtures containing coal tar
- 17 03 03\* coal tar and tarred products

## 12.13 Mixed construction wastes

## 0 Non-hazardous

- 17 06 04 insulation materials other than those mentioned in 17 06 01 and 17 06 03
- 17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03

## 1 Hazardous

- 17 02 04\* glass, plastic and wood containing or contaminated with dangerous substances
- 17 06 03\* other insulation materials consisting of or containing dangerous substances
- 17 09 01\* construction and demolition wastes containing mercury
- 17 09 03\* other construction and demolition wastes (including mixed wastes) containing dangerous substances

**Other mineral wastes (Items 42 and 43)**[back](#)

Code	Description	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non- <b>bold</b> )	Excludes
12.2+ 12.3+ 12.5	Other mineral wastes	<p><b>Kind of waste:</b></p> <p>Asbestos materials from all branches (asbestos processing, -cement, brake pads etc.)</p> <p>Mineral wastes from mining and quarrying</p> <p>Blasting material and grinding bodies</p> <p>Casting cores and moulds</p> <p>Linings and refractories from all thermal processes</p> <p><b>Origin:</b></p> <p>Mining, quarrying and treatment of minerals</p> <p>Manufacture of construction material,</p> <p>Thermal processes (liners and refractories)</p> <p>Casting processes</p> <p><b>Hazardous:</b></p> <p>When containing asbestos, oil, heavy metals</p>	<p>Solid wastes from soil remediation</p> <p>Alumina</p> <p>Waste binders</p> <p>Calcium based reaction waste</p>	<p>In general production and use of mineral materials.</p> <p>In detail:</p> <ul style="list-style-type: none"> <li>• <b>Exploration, mining, quarrying and physical and chemical treatment of minerals</b> (B Mining and quarrying)</li> <li>• <b>Construction and demolition wastes</b> (43.11 Demolition; 43.2 Electrical, plumbing and other construction installation activities)</li> <li>• <b>Manufacture of glass and glass products</b> (23.1 Manufacture of glass and glass products)</li> <li>• <b>Manufacture of ceramic goods, bricks, tiles and construction products</b> (23.20 Manufacture of refractory products; 23.3 Manufacture of clay building materials; 23.4 Manufacture of other porcelain and ceramic products)</li> <li>• <b>Manufacture of cement, lime and plaster and articles and products made from them</b> (23.5 Manufacture of cement, lime and plaster; 23.6 Manufacture of articles of concrete, plaster and cement)</li> <li>• <b>Shaping and physical and mechanical surface treatment of metals</b> (25.6 Treatment and coating of metals; machining; 33.12 Repair of machinery)</li> <li>• <b>Casting of ferrous pieces</b> (24.51 Casting of iron; 24.52 Casting of steel)</li> <li>• <b>Casting of non-ferrous pieces</b> (24.53 Casting of light metals; 24.54 Casting of other non-ferrous metals)</li> </ul>	<p>Inorganic sludges -&gt; see cat. 03.2 and 11</p> <p>Salts -&gt; see cat. 01.2</p> <p>Soils and stones -&gt; see cat. 12.6</p>

**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Other mineral wastes**

## 12.2 Asbestos wastes

## 12.21 Asbestos wastes

## 1 Hazardous

06 07 01*	wastes containing asbestos from electrolysis
06 13 04*	wastes from asbestos processing
10 13 09*	wastes from asbestos-cement manufacture containing asbestos
15 01 11*	metallic packaging containing a dangerous solid porous matrix (e.g. asbestos), including empty pressure containers
16 01 11*	brake pads containing asbestos
16 02 12*	discarded equipment containing free asbestos
17 06 01*	insulation materials containing asbestos
17 06 05*	construction materials containing asbestos

## 12.3 Waste of naturally occurring minerals

## 12.31 Waste of naturally occurring minerals

## 0 Non-hazardous

01 01 01	wastes from mineral metalliferous excavation
01 01 02	wastes from mineral non-metalliferous excavation
01 03 06	tailings other than those mentioned in 01 03 04 and 01 03 05
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 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 05 04	fresh-water drilling muds and wastes
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
02 04 01	soil from cleaning and washing beet
08 02 02	aqueous sludges containing ceramic materials
10 11 10	waste preparation mixture before thermal processing other than those mentioned in 10 11 09
10 12 01	waste preparation mixture before thermal processing
10 13 01	waste preparation mixture before thermal processing
19 08 02	waste from desanding
19 09 01	solid waste from primary filtration and screenings
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
20 02 03	other non-biodegradable wastes

## 1 Hazardous

- 01 03 04\* acid-generating tailings from processing of sulphide ore
- 01 03 05\* other tailings containing dangerous substances
- 01 03 07\* other wastes containing dangerous substances from physical and chemical processing of metalliferous minerals
- 01 04 07\* wastes containing dangerous substances from physical and chemical processing of non-metalliferous minerals
- 01 05 06\* drilling muds and other drilling wastes containing dangerous substances
- 10 11 09\* waste preparation mixture before thermal processing containing dangerous substances
- 19 13 01\* solid wastes from soil remediation containing dangerous substances

**12.4 Combustion wastes****Not included in mineral wastes see cat. 12.4**

## 12.5 Various mineral wastes

## 12.51 Artificial mineral wastes

## 0 Non-hazardous

- 02 04 02 off-specification calcium carbonate
- 06 09 04 calcium-based reaction wastes other than those mentioned in 06 09 03
- 06 11 01 calcium-based reaction wastes from titanium dioxide production
- 08 02 03 aqueous suspensions containing ceramic materials
- 10 03 05 waste alumina
- 10 09 14 waste binders other than those mentioned in 10 09 13
- 10 11 03 waste glass-based fibrous materials
- 10 11 05 particulates and dust
- 10 11 14 glass-polishing and -grinding sludge other than those mentioned in 10 11 13
- 10 12 08 waste ceramics, bricks, tiles and construction products (after thermal processing)
- 10 12 12 wastes from glazing other than those mentioned in 10 12 11
- 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 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 14 waste concrete and concrete sludge
- 12 01 17 waste blasting material other than those mentioned in 12 01 16
- 12 01 21 spent grinding bodies and grinding materials other than those mentioned in 12 01 20

## 1 Hazardous

- 06 09 03\* calcium-based reaction wastes containing or contaminated with dangerous substances
- 10 11 13\* glass-polishing and -grinding sludge containing dangerous substances
- 10 12 11\* wastes from glazing containing heavy metals
- 11 02 02\* sludges from zinc hydrometallurgy (incl. jarosite, goethite)
- 12 01 16\* waste blasting material containing dangerous substances
- 12 01 20\* spent grinding bodies and grinding materials containing dangerous substances

## 12.52 Waste refractory materials

## 0 Non-hazardous

- 10 09 06 casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05

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10 09 08	casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07
10 10 06	casting cores and moulds which have not undergone pouring other than those mentioned in 10 10 05
10 10 08	casting cores and moulds which have undergone pouring other than those mentioned in 10 10 07
16 11 02	carbon-based linings and refractories from metallurgical processes others than those mentioned in 16 11 01
16 11 04	other linings and refractories from metallurgical processes other than those mentioned in 16 11 03
16 11 06	linings and refractories from non-metallurgical processes others than those mentioned in 16 11 05
1 Hazardous	
10 09 05*	casting cores and moulds which have not undergone pouring containing dangerous substances
10 09 07*	casting cores and moulds which have undergone pouring containing dangerous substances
10 10 05*	casting cores and moulds which have not undergone pouring containing dangerous substances
10 10 07*	casting cores and moulds which have undergone pouring containing dangerous substances
16 11 01*	carbon-based linings and refractories from metallurgical processes containing dangerous substances
16 11 03*	other linings and refractories from metallurgical processes containing dangerous substances
16 11 05*	linings and refractories from non-metallurgical processes containing dangerous substances



**Combustion wastes (Items 44 and 45)**[back](#)

Code	Description	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
12.4	Combustion waste	<p><b>Kind of waste:</b></p> <p>Wastes from flue gas cleaning (desulphurisation sludges, filter dust and cakes, fly ashes, solid waster)</p> <p>Slags, drosses, skimmings, boiler dusts and ashes from thermal processes</p> <p><b>Origin:</b></p> <p>Power stations and other combustion plants</p> <p>Thermal metallurgy</p> <p>Casting of ferrous and non-ferrous pieces</p> <p>Manufacture of glass and glass products</p> <p>Manufacture of ceramic goods, bricks, tiles and construction products</p> <p>Manufacture of cement, lime and plaster and articles and products made from them</p> <p><b>Hazardous:</b></p> <p>When containing organic pollutants, oil, heavy metals</p>	<p>Waste sands from fluidised beds</p> <p>Zinc ash from hot galvanizing</p> <p>Boiler dust</p>	<p>In general thermal and combustion processes.</p> <p>In detail:</p> <ul style="list-style-type: none"> <li>• <b>Power stations and other combustion plants</b> (35.11 Production of electricity; 35.30 Steam and air conditioning supply)</li> <li>• <b>Iron and steel industry</b> (24.10 Manufacture of basic iron and steel and of ferro-alloys)</li> <li>• <b>Aluminium thermal metallurgy</b> (24.42 Aluminium production)</li> <li>• <b>Lead thermal metallurgy</b> (24.43 Lead, zinc and tin production)</li> <li>• <b>Zinc thermal metallurgy</b> (24.43 Lead, zinc and tin production)</li> <li>• <b>Copper thermal metallurgy</b> (24.44 Copper production)</li> <li>• <b>Silver, gold and platinum thermal metallurgy</b> (24.45 Other non-ferrous metal production)</li> <li>• <b>Other non-ferrous thermal metallurgy</b> (24.45 Other non-ferrous metal production)</li> <li>• <b>Casting of ferrous pieces</b> (24.51 Casting of iron; 24.52 Casting of steel)</li> <li>• <b>Casting of non-ferrous pieces</b> (24.53 Casting of light metals; 24.54 Casting of other non-ferrous metals)</li> <li>• <b>Crematoria</b> (96.03 Funeral and related activities)</li> </ul>	<p>Spent activated carbon -&gt; see cat. 3.1</p> <p>Flue-gas cleaning residues from vitrification -&gt; see cat. 12.8</p> <p>Pyrolysis waste -&gt; see cat. 12.8</p>

**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Combustion wastes**

## 12.4 Combustion wastes

## 12.41 Waste from flue gas purification

## 0 Non-hazardous

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 19	wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
10 02 08	solid wastes from gas treatment other than those mentioned in 10 02 07
10 02 14	sludges and filter cakes from gas treatment other than those mentioned in 10 02 13
10 03 20	flue-gas dust other than those mentioned in 10 03 19
10 03 24	solid wastes from gas treatment other than those mentioned in 10 03 23
10 03 26	sludges and filter cakes from gas treatment other than those mentioned in 10 03 25
10 07 03	solid wastes from gas treatment
10 07 05	sludges and filter cakes from gas treatment
10 08 16	flue-gas dust other than those mentioned in 10 08 15
10 08 18	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17
10 09 10	flue-gas dust other than those mentioned in 10 09 09
10 10 10	flue-gas dust other than those mentioned in 10 10 09
10 11 16	solid wastes from flue-gas treatment other than those mentioned in 10 11 15
10 11 18	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 11 17
10 12 05	sludges and filter cakes from gas treatment
10 12 10	solid wastes from gas treatment other than those mentioned in 10 12 09
10 13 07	sludges and filter cakes from gas treatment
10 13 13	solid wastes from gas treatment other than those mentioned in 10 13 12

## 1 Hazardous

10 01 18*	wastes from gas cleaning containing dangerous substances
10 02 07*	solid wastes from gas treatment containing dangerous substances
10 02 13*	sludges and filter cakes from gas treatment containing dangerous substances
10 03 19*	flue-gas dust containing dangerous substances
10 03 23*	solid wastes from gas treatment containing dangerous substances
10 03 25*	sludges and filter cakes from gas treatment containing dangerous substances
10 04 04*	flue-gas dust
10 04 06*	solid wastes from gas treatment
10 04 07*	sludges and filter cakes from gas treatment
10 05 03*	flue-gas dust
10 05 05*	solid waste from gas treatment

10 05 06*	sludges and filter cakes from gas treatment
10 06 03*	flue-gas dust
10 06 06*	solid wastes from gas treatment
10 06 07*	sludges and filter cakes from gas treatment
10 08 15*	flue-gas dust containing dangerous substances
10 08 17*	sludges and filter cakes from flue-gas treatment containing dangerous substances
10 09 09*	flue-gas dust containing dangerous substances
10 10 09*	flue-gas dust containing dangerous substances
10 11 15*	solid wastes from flue-gas treatment containing dangerous substances
10 11 17*	sludges and filter cakes from flue-gas treatment containing dangerous substances
10 12 09*	solid wastes from gas treatment containing dangerous substances
10 13 12*	solid wastes from gas treatment containing dangerous substances
10 14 01*	waste from gas cleaning containing mercury
11 05 03*	solid wastes from gas treatment

## 12.42 Slags and ashes from thermal treatment and combustion

## 0 Non-hazardous

06 09 02	phosphorous slag
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 15	bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
10 01 17	fly ash from co-incineration other than those mentioned in 10 01 16
10 01 24	sands from fluidised beds
10 02 01	wastes from the processing of slag
10 02 02	unprocessed slag
10 03 16	skimmings other than those mentioned in 10 03 15
10 03 22	other particulates and dust (including ball-mill dust) other than those mentioned in 10 03 21
10 03 30	wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29
10 05 01	slags from primary and secondary production
10 05 04	other particulates and dust
10 05 11	dross and skimmings other than those mentioned in 10 05 10
10 06 01	slags from primary and secondary production
10 06 02	dross and skimmings from primary and secondary production
10 06 04	other particulates and dust
10 07 01	slags from primary and secondary production
10 07 02	dross and skimmings from primary and secondary production
10 07 04	other particulates and dust
10 08 04	particulates and dust
10 08 09	other slags
10 08 11	dross and skimmings other than those mentioned in 10 08 10

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10 09 03	furnace slag
10 09 12	other particulates other than those mentioned in 10 09 11
10 10 03	furnace slag
10 10 12	other particulates other than those mentioned in 10 10 11
10 12 03	particulates and dust
11 05 02	zinc ash
1 Hazardous	
10 01 04*	oil fly ash and -boiler dust
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 16*	fly ash from co-incineration containing dangerous substances
10 03 04*	primary production slags
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 21*	other particulates and dust (including ball-mill dust) containing dangerous substances
10 03 29*	wastes from treatment of salt slags and black drosses containing dangerous substances
10 04 01*	slags from primary and secondary production
10 04 02*	dross and skimmings from primary and secondary production
10 04 05*	other particulates and dust
10 05 10*	dross and skimmings that are flammable or emit, upon contact with water, flammable gases in dangerous quantities
10 08 08*	salt slag from primary and secondary production
10 08 10*	dross and skimmings that are flammable or emit, upon contact with water, flammable gases in dangerous quantities
10 09 11*	other particulates containing dangerous substances
10 10 11*	other particulates containing dangerous substances

**Soils (Items 46 and 47)**[back](#)

Code	Description	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
12.6	Soils	<p><b>Kind of waste:</b> Soil and stones incl. excavated soil from contaminated sites</p> <p><b>Origin:</b> Construction and demolition Soil remediation</p> <p><b>Hazardous:</b> When containing oil, heavy metals, organic pollutants</p>	Oil spills	<p>In general construction.</p> <p>In detail:</p> <ul style="list-style-type: none"> <li>• <b>Construction and demolition</b> (42 Civil engineering; 43.1 Demolition and site preparation)</li> <li>• <b>Petroleum refining</b> (19.20 Manufacture of refined petroleum products)</li> </ul>	<p>Dredging spoils -&gt; see cat. 12.7</p> <p>Track ballast -&gt; see cat. 12.1</p> <p>Tailings, rocks, gravel from mining and quarrying -&gt; see cat. 12.3</p> <p>Soil from cleaning and washing beet -&gt; see cat. 12.3</p>

**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Soils**

12.6 Soils

12.61 Soils

0 Non-hazardous

17 05 04 soil and stones other than those mentioned in 17 05 03

20 02 02 soil and stones

1 Hazardous

05 01 05\* oil spills

17 05 03\* soil and stones containing dangerous substances

**Dredging spoils (Items 48 and 49)**[back](#)

Code	Description	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
12.7	Dredging spoils	<p><b>Kind of waste:</b> Dredging spoils</p> <p><b>Origin:</b> Construction and maintenance of water project, dredging and subsurface work</p> <p><b>Hazardous:</b> Hazardous when containing heavy metals or organic pollutants</p>		<p>In general construction and maintenance of water projects.</p> <ul style="list-style-type: none"> <li><b>Construction and demolition</b> (42.91 Construction of water projects)</li> </ul>	

**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Dredging spoils**

12.7 Dredging spoil

12.71 Dredging spoil

0 Non-hazardous

17 05 06 dredging spoil other than those mentioned in 17 05 05

1 Hazardous

17 05 05\* dredging spoil containing dangerous substances

**Mineral wastes from waste treatment and stabilised wastes (Items 50 and 51)**[back](#)

Code	Description	Definition	Includes	Source branches (nomenclature of LoW is <b>bold</b> , NACE is non-bold)	Excludes
12.8  13	Mineral wastes from waste treatment  Solidified, stabilised and vitrified wastes	<p><b>Kind of waste:</b> Bottom ash and slag from waste incineration and pyrolysis</p> <p>Fly ashes and other wastes from flue gas treatment in waste incineration plants</p> <p>Solidified, stabilised and vitrified wastes from waste treatment</p> <p><b>Origin:</b> Incineration or pyrolysis of waste Waste treatment</p> <p><b>Hazardous:</b> When containing organic pollutants, heavy metals</p>	Wastes from flue-gas cleaning in oil regeneration plants	<p>In general incineration and pyrolysis of waste.</p> <p>In detail:</p> <ul style="list-style-type: none"> <li>• <b>Incineration or pyrolysis of waste</b> (38.2 Waste treatment and disposal)</li> <li>• <b>Stabilisation, solidification and vitrification of waste</b> (38.3 Materials recovery)</li> <li>• <b>Mechanical treatment of waste (for example sorting, crushing, compacting, pelletising)</b> (38.3 Materials recovery)</li> <li>• <b>Oil regeneration</b> (19.20 Manufacture of refined petroleum products)</li> </ul>	<p>Slag and ashes from co-incineration of waste in power stations and other combustion plants -&gt; see cat. 12.4</p> <p>Spent activated carbon -&gt; see cat. 3.1</p> <p>Non-vitrified solid phase -&gt; see cat. 10.3</p> <p>Aqueous liquid wastes from vitrified waste tempering -&gt; see cat. 03.3</p>

**Extract Regulation (EC) 2150/2002 ANNEX III: Table of equivalence****Mineral wastes from waste treatment and stabilised wastes**

## 12.8 Waste from waste treatment

## 12.81 Waste from waste treatment

## 0 Non-hazardous

- 19 01 12 bottom ash and slag other than those mentioned in 19 01 11
- 19 01 14 fly ash other than those mentioned in 19 01 13
- 19 01 16 boiler dust other than those mentioned in 19 01 15
- 19 01 18 pyrolysis wastes other than those mentioned in 19 01 17
- 19 01 19 sands from fluidised beds
- 19 12 09 minerals (for example sand, stones)

## 1 Hazardous

- 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 11\* bottom ash and slag containing dangerous substances
- 19 01 13\* fly ash containing dangerous substances
- 19 01 15\* boiler dust containing dangerous substances
- 19 01 17\* pyrolysis wastes containing dangerous substances
- 19 04 02\* fly ash and other flue-gas treatment wastes
- 19 11 07\* wastes from flue-gas cleaning

## 13 Solidified, stabilised or vitrified waste

## 13.1 Solidified or stabilised waste

## 13.11 Solidified or stabilised waste

## 0 Non-hazardous

- 19 03 05 stabilised wastes other than those mentioned in 19 03 04
- 19 03 07 solidified wastes other than those mentioned in 19 03 06

## 1 Hazardous

- 19 03 04\* wastes marked as hazardous, partly stabilised
- 19 03 06\* wastes marked as hazardous, solidified

## 13.2 Vitrified wastes

## 13.21 Vitrified wastes

## 0 Non-hazardous

- 19 04 01 vitrified waste"



## Annex

Aggregates list			
EWC-Stat/Version 4			
Item No	Code	Description	Hazardous/Non-hazardous waste
1	01.1	<a href="#">Spent solvents</a>	Hazardous
2	01.2	<a href="#">Acid, alkaline or saline wastes</a>	Non-hazardous
3	01.2	<a href="#">Acid, alkaline or saline wastes</a>	Hazardous
4	01.3	<a href="#">Used oils</a>	Hazardous
5	01.4, 02, 03.1	<a href="#">Chemical wastes</a>	Non-hazardous
6	01.4, 02, 03.1	<a href="#">Chemical wastes</a>	Hazardous
7	03.2	<a href="#">Industrial effluent sludges</a>	Non-hazardous
8	03.2	<a href="#">Industrial effluent sludges</a>	Hazardous
9	03.3	<a href="#">Sludges and liquid wastes from waste treatment</a>	Non-hazardous
10	03.3	<a href="#">Sludges and liquid wastes from waste treatment</a>	Hazardous
11	05	<a href="#">Health care and biological wastes</a>	Non-hazardous
12	05	<a href="#">Health care and biological wastes</a>	Hazardous
13	06	<a href="#">Metallic wastes, ferrous</a>	Non-hazardous
14	06	<a href="#">Metallic wastes, non-ferrous</a>	Non-hazardous
15	06	<a href="#">Metallic wastes, mixed ferrous and non-ferrous</a>	Non-hazardous
16	07.1	<a href="#">Glass wastes</a>	Non-hazardous
17	07.1	<a href="#">Glass wastes</a>	Hazardous
18	07.2	<a href="#">Paper and cardboard wastes</a>	Non-hazardous
19	07.3	<a href="#">Rubber wastes</a>	Non-hazardous
20	07.4	<a href="#">Plastic wastes</a>	Non-hazardous
21	07.5	<a href="#">Wood wastes</a>	Non-hazardous
22	07.5	<a href="#">Wood wastes</a>	Hazardous
23	07.6	<a href="#">Textile wastes</a>	Non-hazardous
24	07.7	<a href="#">Waste containing PCB</a>	Hazardous
25	08	<a href="#">Discarded equipment</a>	Non-hazardous
26	08	<a href="#">Discarded equipment</a>	Hazardous
27	08.1	<a href="#">Discarded vehicles</a>	Non-hazardous
28	08.1	<a href="#">Discarded vehicles</a>	Hazardous
29	08.41	<a href="#">Batteries and accumulators wastes</a>	Non-hazardous
31	08.41	<a href="#">Batteries and accumulators wastes</a>	Hazardous
31	09.1	<a href="#">Animal and mixed food waste</a>	Non-hazardous
32	09.2	<a href="#">Vegetal wastes</a>	Non-hazardous
33	09.3	<a href="#">Animal faeces, urine and manure</a>	Non-hazardous
34	10.1	<a href="#">Household and similar wastes</a>	Non-hazardous
35	10.2	<a href="#">Mixed and undifferentiated materials</a>	Non-hazardous
36	10.2	<a href="#">Mixed and undifferentiated materials</a>	Hazardous
37	10.3	<a href="#">Sorting residues</a>	Non-hazardous
38	10.3	<a href="#">Sorting residues</a>	Hazardous
39	11	<a href="#">Common sludges</a>	Non-hazardous
40	12.1	<a href="#">Mineral waste from construction and demolition</a>	Non-hazardous

EUROSTAT Definitions of Waste Categories

Aggregates list			
EWC-Stat/Version 4			
Item No	Code	Description	Hazardous/Non-hazardous waste
41	12.1	<a href="#">Mineral waste from construction and demolition</a>	Hazardous
42	12.2 +12.3 + 12.5	<a href="#">Other mineral wastes</a>	Non-hazardous
43	12.2 +12.3 + 12.5	<a href="#">Other mineral wastes</a>	Hazardous
44	12.4	<a href="#">Combustion wastes</a>	Non-hazardous
45	12.4	<a href="#">Combustion wastes</a>	Hazardous
46	12.6	<a href="#">Soils</a>	Non-hazardous
47	12.6	<a href="#">Soils</a>	Hazardous
48	12.7	<a href="#">Dredging spoils</a>	Non-hazardous
49	12.7	<a href="#">Dredging spoils</a>	Hazardous
50	12.8 + 13	<a href="#">Mineral wastes from waste treatment and stabilised wastes</a>	Non-hazardous
51	12.8 + 13	<a href="#">Mineral wastes from waste treatment and stabilised wastes</a>	Hazardous