

## Consolidated Waste Lists<sup>1</sup>

### ANNEX III

#### LIST OF WASTES SUBJECT TO THE GENERAL INFORMATION REQUIREMENTS LAID DOWN IN ARTICLE 18 ("GREEN" LISTED WASTE)<sup>2</sup>

Regardless of whether or not wastes are included on this list, they may not be subject to the general information requirements laid down in Article 18 if they are contaminated by other materials to an extent which

- (a) increases the risks associated with the wastes sufficiently to render them appropriate for submission to the procedure of prior written notification and consent, when taking into account the hazardous characteristics listed in Annex III to Directive 91/689/EEC; or
- (b) prevents the recovery of the wastes in an environmentally sound manner.

The following wastes will be subject to the general information requirements laid down in Article 18:

#### **B1 Metal and metal-bearing wastes**

B1010 Metal and metal-alloy wastes in metallic, non-dispersible form:

- Precious metals (gold, silver, the platinum group, but not mercury)
- Iron and steel scrap
- Copper scrap
- Nickel scrap
- Aluminium scrap
- Zinc scrap
- Tin scrap
- Tungsten scrap
- Molybdenum scrap
- Tantalum scrap
- Magnesium scrap
- Cobalt scrap
- Bismuth scrap
- Titanium scrap
- Zirconium scrap
- Manganese scrap
- Germanium scrap
- Vanadium scrap
- Scrap of hafnium, indium, niobium, rhenium and gallium
- Thorium scrap
- Rare earths scrap
- Chromium scrap

B1020 Clean, uncontaminated metal scrap, including alloys, in bulk finished form *i.e. non-dispersible form*<sup>3</sup> (sheet, plate, beams, rods, etc), of:

- Antimony scrap
- Beryllium scrap
- Cadmium scrap

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<sup>1</sup> Compiled by the Focal Point Basel Convention in the Federal Environment Agency (Ger.) based on the draft "Guidance Manual for the Implementation of the OECD Decision C(2001)107/Final.

**State November 2014**

<sup>2</sup> Any reference to List A in Annex IX to the Basel Convention shall be understood as a reference to Annex IV of the WSR

<sup>3</sup> "Non-dispersible" does not include any wastes in the form of powder, sludge, dust or solid items containing encased hazardous waste liquids

- Lead scrap (but excluding lead-acid batteries)
  - Selenium scrap
  - Tellurium scrap
- B1030 Refractory metals containing residues
- B1031 Molybdenum, tungsten, titanium, tantalum, niobium and rhenium metal and metal alloy wastes in metallic dispersible form (metal powder), excluding such wastes as specified in list A under entry A1050, Galvanic sludges
- B1040 Scrap assemblies from electrical power generation not contaminated with lubricating oil, PCB or PCT to an extent to render them hazardous
- B1050 Mixed non-ferrous metal, heavy fraction scrap, not containing Annex I materials in concentrations sufficient to exhibit Annex III characteristics<sup>4</sup>
- B1060 Waste selenium and tellurium in metallic elemental form including powder
- B1070 Waste of copper and copper alloys in dispersible form, unless they contain Annex I constituents to an extent that they exhibit Annex III characteristics
- B1080 Zinc ash and residues including zinc alloys residues in dispersible form unless containing Annex I constituents in concentration such as to exhibit Annex III characteristics or exhibiting hazard characteristic H4.3<sup>5</sup>
- B1090 Waste batteries conforming to a specification, excluding those made with lead, cadmium or mercury
- B1100 Metal-bearing wastes arising from melting, smelting and refining of metals:
- Hard zinc spelter
  - Zinc-containing drosses:
    - Galvanizing slab zinc top dross (>90% Zn)
    - Galvanizing slab zinc bottom dross (>92% Zn)
    - Zinc die casting dross (>85% Zn)
    - Hot dip galvanizers slab zinc dross (batch)(>92% Zn)
    - Zinc skimmings
  - Aluminium skimmings (or skims) excluding salt slag
- DELETED<sup>6</sup> and replaced by the following entry GBO40
- Wastes of refractory linings, including crucibles, originating from copper smelting
  - Slags from precious metals processing for further refining
  - Tantalum-bearing tin slags with less than 0.5% tin

	7112	
GB040 <sup>7</sup>	262030	Slags from precious metals and copper processing for further refining
	262090	

<sup>4</sup> Note that even where low level contamination with Annex I materials initially exists, subsequent processes, including recycling processes, may result in separated fractions containing significantly enhanced concentrations of those Annex I materials.

<sup>5</sup> The status of zinc ash is currently under review and there is a recommendation with the United Nations Conference on Trade and Development (UNCTAD) that zinc ashes should not be dangerous goods.

<sup>6</sup> Deleted entry in the Basel list:

"- Slags from copper processing for further processing or refining not containing arsenic, lead or cadmium to an extent that they exhibit Annex III hazard characteristics "

<sup>7</sup> This OECD entry applies instead of the part of Basel entry B1100 that refers to "slags from copper processing" and is mentioned in the above footnote.

B1110	DELETED <sup>8</sup> , and replaced by the two following entries GC010 and GC020																																
GC010	Electrical assemblies consisting only of metals or alloys																																
GC020	Electronic scrap (e.g. printed circuit boards, electronic components, wire, etc.) and reclaimed electronic components suitable for base and precious metal recovery																																
GC050	Spent Fluid Catalytic Cracking (FCC) Catalysts (eg: aluminium oxide, zeolites)																																
B1115	Waste metal cables coated or insulated with plastics, not included in list A1190, excluding those destined for Annex IVA operations or any other disposal operations involving, at any stage, uncontrolled thermal processes, such as open-burning.																																
B1120	Spent catalysts excluding liquids used as catalysts, containing any of: <ul style="list-style-type: none"> <li>— Transition metals, excluding waste catalysts (spent catalysts, liquid used catalysts or other catalysts) on list A: <table border="0"> <tr><td>Scandium</td><td>Titanium</td></tr> <tr><td>Vanadium</td><td>Chromium</td></tr> <tr><td>Manganese</td><td>Iron</td></tr> <tr><td>Cobalt</td><td>Nickel</td></tr> <tr><td>Copper</td><td>Zinc</td></tr> <tr><td>Yttrium</td><td>Zirconium</td></tr> <tr><td>Niobium</td><td>Molybdenum</td></tr> <tr><td>Hafnium</td><td>Tantalum</td></tr> <tr><td>Tungsten</td><td>Rhenium</td></tr> </table> </li> <li>— Lanthanides (rare earth metals): <table border="0"> <tr><td>Lanthanum</td><td>Cerium</td></tr> <tr><td>Praseodymium</td><td>Neodym</td></tr> <tr><td>Samarium</td><td>Europium</td></tr> <tr><td>Gadolinium</td><td>Terbium</td></tr> <tr><td>Dysprosium</td><td>Holmium</td></tr> <tr><td>Erbium</td><td>Thulium</td></tr> <tr><td>Ytterbium</td><td>Lutetium</td></tr> </table> </li> </ul>	Scandium	Titanium	Vanadium	Chromium	Manganese	Iron	Cobalt	Nickel	Copper	Zinc	Yttrium	Zirconium	Niobium	Molybdenum	Hafnium	Tantalum	Tungsten	Rhenium	Lanthanum	Cerium	Praseodymium	Neodym	Samarium	Europium	Gadolinium	Terbium	Dysprosium	Holmium	Erbium	Thulium	Ytterbium	Lutetium
Scandium	Titanium																																
Vanadium	Chromium																																
Manganese	Iron																																
Cobalt	Nickel																																
Copper	Zinc																																
Yttrium	Zirconium																																
Niobium	Molybdenum																																
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Tungsten	Rhenium																																
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Samarium	Europium																																
Gadolinium	Terbium																																
Dysprosium	Holmium																																
Erbium	Thulium																																
Ytterbium	Lutetium																																
B1130	Cleaned spent precious-metal-bearing catalysts																																
B1140	Precious-metal-bearing residues in solid form which contain traces of inorganic cyanides																																
B1150	Precious metals and alloy wastes (gold, silver, the platinum group, but not mercury) in a dispersible, non-liquid form with appropriate packaging and labelling																																
B1160	Precious-metal ash from the incineration of printed circuit boards (note the related entry on list A A1150)																																
B1170	Precious-metal ash from the incineration of photographic film																																
B1180	Waste photographic film containing silver halides and metallic silver																																
B1190	Waste photographic paper containing silver halides and metallic silver																																
B1200	Granulated slag arising from the manufacture of iron and steel																																
B1210	Slag arising from the manufacture of iron and steel including slags as a source of TiO <sub>2</sub> and vanadium																																

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<sup>8</sup> Deleted entry in the Basel list:

"B1110 Electrical and electronic assemblies:

- Electronic assemblies consisting only of metals or alloys
- Waste electrical and electronic assemblies or scrap (including printed circuit boards) not containing components such as accumulators and other batteries included on list A, mercury-switches, glass from cathode-ray tubes and other activated glass and PCB-capacitors, or not contaminated with Annex I constituents (e.g., cadmium, mercury, lead, polychlorinated biphenyl) or from which these have been removed, to an extent that they do not possess any of the characteristics contained in Annex III (note the related entry on list A A1180)
- Electrical and electronic assemblies (including printed circuit boards, electronic components and wires) destined for direct reuse, and not for recycling or final disposal"

- B1220 Slag from zinc production, chemically stabilized, having a high iron content (above 20%) and processed according to industrial specifications (e.g., DIN 4301) mainly for construction
- B1230 Mill scaling arising from the manufacture of iron and steel
- B1240 Copper oxide mill-scale
- B1250 Waste end-of-life motor vehicles, containing neither liquids nor other hazardous components

**GC030** ex 890800 *Vessels and other floating structures for breaking up, properly emptied of any cargo and other materials arising from the operation of the vessel which may have been classified as a dangerous substance or*

**B2 Wastes containing principally inorganic constituents, which may contain metals and organic materials**

B2010 Wastes from mining operations in non-dispersible form<sup>9</sup>:

- Natural graphite waste
- Slate waste, whether or not roughly trimmed or merely cut, by sawing or otherwise
- Mica waste
- Leucite, nepheline and nepheline syenite waste
- Feldspar waste
- Fluorspar waste
- Silica wastes in solid form excluding those used in foundry operations

B2020 Glass waste in non-dispersible form:

- Cullet and other waste and scrap of glass except for glass from cathode-ray tubes and other activated glasses

**GE020** ex 7001 *Glass Fibre wastes in non-dispersible form*<sup>10</sup>  
ex 701939

B2030 Ceramic wastes in non-dispersible form:

- Cermets wastes and scrap (metal ceramic composites)
- Ceramic based fibres not elsewhere specified or included

**GF010** *Ceramic wastes in non-dispersible form*<sup>11</sup> *which have been fired after shaping, including ceramic vessels (before and/or after use)*

B2040 Other wastes containing principally inorganic constituents:

- Partially refined calcium sulphate produced from flue-gas desulphurization (FGD)
- Waste gypsum wallboard or plasterboard arising from the demolition of buildings
- Slag from copper production, chemically stabilized, having a high iron content (above 20%) and processed according to industrial specifications (e.g., DIN 4301 and DIN 8201) mainly for construction and abrasive applications
- Sulphur in solid form
- Limestone from the production of calcium cyanamide (having a pH less than 9)
- Sodium, potassium, calcium chlorides
- Carborundum (silicon carbide)
- Broken concrete
- Lithium-tantalum and lithium-niobium containing glass scraps

**GG030** ex 2621 *Bottom ash and slag tap from coal-fired power plants*

<sup>9</sup> as footnote 3

<sup>10</sup> as footnote 3

<sup>11</sup> as footnote 3

B2050 DELETED<sup>12</sup>, and replaced by the following entry GG040

GG040 ex 2621 Coal-fired power plants fly ash

- B2060 Spent activated carbon not containing any Annex I constituents to an extent they exhibit Annex III characteristics, for example, carbon resulting from the treatment of potable water and processes of the food industry and vitamin production (note the related entry on list A, A4160)
- B2070 Calcium fluoride sludge
- B2080 Waste gypsum arising from chemical industry processes not included on list A (note the related entry on list A A2040)
- B2090 Waste anode butts from steel or aluminium production made of petroleum coke or bitumen and cleaned to normal industry specifications (excluding anode butts from chlor alkali electrolyses and from metallurgical industry)
- B2100 Waste hydrates of aluminium and waste alumina and residues from alumina production excluding such materials used for gas cleaning, flocculation or filtration processes
- B2110 Bauxite residue ("red mud") (pH moderated to less than 11.5)
- B2120 Waste acidic or basic solutions with a pH greater than 2 and less than 11.5, which are not corrosive or otherwise hazardous (note the related entry on list A A4090)
- B2130 Bituminous material (asphalt waste) from road construction and maintenance, not containing tar<sup>13</sup> (note the related entry on list A, A3200)

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

B3010 Solid plastic waste:

The following plastic or mixed plastic materials, provided they are not mixed with other wastes and are prepared to a specification:

- Scrap plastic of non-halogenated polymers and co-polymers, including but not limited to the following<sup>14</sup>
  - ethylene
  - styrene
  - polypropylene
  - polyethylene terephthalate
  - acrylonitrile
  - butadiene
  - polyacetals
  - polyamides
  - polybutylene terephthalate
  - polycarbonates
  - polyethers
  - polyphenylene sulphides
  - acrylic polymers
  - alkanes C10-C13 (plasticiser)
  - polyurethane (not containing CFCs)
  - polysiloxanes
  - polymethyl methacrylate
  - polyvinyl alcohol
  - polyvinyl butyral
  - polyvinyl acetate

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<sup>12</sup> Deleted entry in the Basel list:

"B2050 Coal-fired power plant fly-ash, not included on list A (note the related entry on list A A2060)"

<sup>13</sup> The concentration level of Benzol (a) pyrene should not be 50mg/kg or more.

<sup>14</sup> It is understood that such scraps are completely polymerized.

- Cured waste resins or condensation products including the following:
  - urea formaldehyde resins
  - phenol formaldehyde resins
  - melamine formaldehyde resins
  - epoxy resins
  - alkyd resins
  - polyamides
- The following fluorinated polymer wastes<sup>15</sup>
  - perfluoroethylene/propylene (FEP)
  - perfluoro alkoxy alkane
    - tetrafluoroethylene/per fluoro vinyl ether (PFA)
    - tetrafluoroethylene/per fluoro methylvinyl ether (MFA)
  - polyvinylfluoride (PVF)
  - polyvinylidene fluoride (PVDF)

— Polymers and co-polymers of fluorinated ethylene (Teflon, PTFE)

**GH013**    **391530**            **Polymers of vinyl chloride**  
 ex 390410-40

**B3020**    Paper, paperboard and paper product wastes

The following materials, provided they are not mixed with hazardous wastes:

Waste and scrap of paper or paperboard of:

- unbleached paper or paperboard or of corrugated paper or paperboard
- other paper or paperboard, made mainly of bleached chemical pulp, not coloured in the mass
- paper or paperboard made mainly of mechanical pulp (for example, newspapers, journals and similar printed matter)
- other, including but not limited to
  - 1) laminated paperboard
  - 2) unsorted scrap

**B3026**    The following waste from the pre-treatment of composite packaging for liquids, not containing Annex I materials in concentrations sufficient to exhibit Annex III characteristics:

- Non-separable plastic fraction
- Non-separable plastic-aluminium fraction

**B3027**    Self-adhesive label laminate waste containing raw materials used in label material production

**B3030**    Textile wastes

The following materials, provided they are not mixed with other wastes and are prepared to a specification:

- Silk waste (including cocoons unsuitable for reeling, yarn waste and garnetted stock)
  - not carded or combed
  - other
- Waste of wool or of fine or coarse animal hair, including yarn waste but excluding garnetted stock
  - noils of wool or of fine animal hair
  - other waste of wool or of fine animal hair
  - waste of coarse animal hair
- Cotton waste (including yarn waste and garnetted stock)
  - yarn waste (including thread waste)
  - garnetted stock
  - other
- Flax tow and waste

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<sup>15</sup> Post-consumer wastes are excluded from this entry:

- Wastes shall not be mixed
- Problems arising from open-burning practices to be considered

- Tow and waste (including yarn waste and garnetted stock) of true hemp (*Cannabis sativa* L.)
  - Tow and waste (including yarn waste and garnetted stock) of jute and other textile bast fibres (excluding flax, true hemp and ramie)
  - Tow and waste (including yarn waste and garnetted stock) of sisal and other textile fibres of the genus *Agave*
  - Tow, noils and waste (including yarn waste and garnetted stock) of coconut
  - Tow, noils and waste (including yarn waste and garnetted stock) of abaca (Manila hemp or *Musa textilis* Nee)
  - Tow, noils and waste (including yarn waste and garnetted stock) of ramie and other vegetable textile fibres, not elsewhere specified or included
  - Waste (including noils, yarn waste and garnetted stock) of man-made fibres
    - of synthetic fibres
    - of artificial fibres
  - Worn clothing and other worn textile articles
  - Used rags, scrap twine, cordage, rope and cables and worn out articles of twine, cordage, rope or cables of textile materials
    - sorted
    - other
- B3035 Waste textile floor coverings, carpets
- B3040 Rubber wastes  
following materials, provided they are not mixed with other wastes:
- Waste and scrap of hard rubber (e.g., ebonite)
  - Other rubber wastes (excluding such wastes specified elsewhere)
- B3050 Untreated cork and wood waste:
- Wood waste and scrap, whether or not agglomerated in logs, briquettes, pellets or similar forms
  - Cork waste: crushed, granulated or ground cork
- B3060 Wastes arising from agro-food industries provided it is not infectious:
- Wine lees
  - Dried and sterilized vegetable waste, residues and byproducts, whether or not in the form of pellets, of a kind used in animal feeding, not elsewhere specified or included
  - Degras: residues resulting from the treatment of fatty substances or animal or vegetable waxes
  - Waste of bones and horn-cores, unworked, defatted, simply prepared (but not cut to shape), treated with acid or degelatinised
  - Fish waste
  - Cocoa shells, husks, skins and other cocoa waste
  - Other wastes from the agro-food industry excluding by-products which meet national and international requirements and standards for human or animal consumption
- B3065 Waste edible fats and oils of animal or vegetable origin (e.g. frying oils), provided they do not exhibit an Annex III characteristic
- B3070 The following wastes:
- Waste of human hair
  - Waste straw
  - Deactivated fungus mycelium from penicillin production to be used as animal feed
- B3080 Waste parings and scrap of rubber
- |       |           |  |
|-------|-----------|--|
| GN010 | ex 050200 | Waste of pigs', hogs' or boars' bristles and hair or of badger hair and other brushmaking hair   |
| GN020 | ex 050300 | Horsehair waste, whether or not put up as a layer with or without supporting material  |
| GN030 | ex 050590 | Waste of skins and other parts of birds, with their feathers or down, of feathers and parts of feathers (whether or not with trimmed edges) and down, not further worked than cleaned, disinfected or treated for preservation |

- B3090 Paring and other wastes of leather or of composition leather not suitable for the manufacture of leather articles, excluding leather sludges, not containing hexavalent chromium compounds and biocides (note the related entry on list A A3100)
- B3100 Leather dust, ash, sludges or flours not containing hexavalent chromium compounds or biocides (note the related entry on list A A3090)
- B3110 Fellmongery wastes not containing hexavalent chromium compounds or biocides or infectious substances (note the related entry on list A A3110)
- B3120 Wastes consisting of food dyes
- B3130 Waste polymer ethers and waste non-hazardous monomer ethers incapable of forming peroxides
- B3140 Waste pneumatic tyres, excluding those destined for Annex IVA operations

**B4 Wastes which may contain either inorganic or organic constituents**

- B4010 Wastes consisting mainly of water-based/latex paints, inks and hardened varnishes not containing organic solvents, heavy metals or biocides to an extent to render them hazardous (note the related entry on list A A4070)
- B4020 Wastes from production, formulation and use of resins, latex, plasticizers, glues/adhesives, not listed on list A, free of solvents and other contaminants to an extent that they do not exhibit Annex III characteristics, e.g., water-based, or glues based on casein starch, dextrin, cellulose ethers, polyvinyl alcohols (note the related entry on list A A3050)
- B4030 Used single-use cameras, with batteries not included on list A



## ANNEX IIIA

### MIXTURES OF TWO OR MORE WASTES LISTED IN ANNEX III AND NOT CLASSIFIED UNDER ONE SINGLE ENTRY AS REFERRED TO IN ARTICLE 3(2)

1. Regardless of whether or not mixtures are included on this list, they may not be subject to the general information requirements laid down in Article 18 if they are contaminated by other materials to an extent which:
  - (a) increases the risks associated with the wastes sufficiently to render them appropriate for submission to the procedure of prior written notification and consent, when taking into account the hazardous characteristics listed in Annex III to Directive 91/689/EEC; or
  - (b) prevents the recovery of the wastes in an environmentally sound manner.
  
2. The following mixtures of waste are included in this Annex:
  - (a) mixtures of waste classified under Basel entries B1010 and B1050;
  - (b) mixtures of waste classified under Basel entries B1010 and B1070;
  - (c) mixtures of wastes classified under Basel entries B3040 and B3080;
  - (d) mixtures of waste classified under (OECD) entry GB040 and under Basel entry B1100 restricted to hard zinc spelter, zinc-containing drosses, aluminium skimmings (or skims) excluding salt slag and wastes of refractory linings, including crucibles, originating from copper smelting;
  - (e) mixtures of waste classified under (OECD) entry GB040, under Basel entry B1070 and under Basel entry B1100 restricted to wastes of refractory linings, including crucibles, originating from copper smelting.

The entries referred to in points (d) and (e) shall not apply for exports to countries to which the OECD Decision does not apply.

3. The following mixtures of wastes classified under separate indents or sub-indents of one single entry are included in this Annex:
  - (a) mixtures of wastes classified under Basel entry B1010;
  - (b) mixtures of wastes classified under Basel entry B2010;
  - (c) mixtures of wastes classified under Basel entry B2030;
  - (d) mixtures of wastes classified under Basel entry B3010 and listed under *Scrap plastic of non-halogenated polymers and copolymers*;
  - (e) mixtures of wastes classified under Basel entry B3010 and listed under *Cured waste resins or condensation products*;
  - (f) mixtures of wastes classified under Basel entry B3010 and listed under *Perfluoro alkoxyl alkane*;

- (g) mixtures of wastes classified under Basel entry B3020 restricted to unbleached paper or paperboard or of corrugated paper or paperboard, other paper or paperboard, made mainly of bleached chemical pulp, not coloured in the mass, paper or paperboard made mainly of mechanical pulp (for example, newspapers, journals and similar printed matter);
- (h) mixtures of wastes classified under Basel entry B3030;
- (i) mixtures of wastes classified under Basel entry B3040;
- (j) mixtures of wastes classified under Basel entry B3050.

## ANNEX IIIB

### ADDITIONAL GREEN LISTED WASTE AWAITING INCLUSION IN THE RELEVANT ANNEXES TO THE BASEL CONVENTION OR THE OECD DECISION AS REFERRED TO IN ARTICLE 58(1)(B)

1. Regardless of whether or not wastes are included on this list, they may not be subject to the general information requirements laid down in Article 18 if they are contaminated by other materials to an extent which:
  - (a) increases the risks associated with the wastes sufficiently to render them appropriate for submission to the procedure of prior written notification and consent, when taking into account the hazardous characteristics listed in Annex III to Directive 2008/98/EC of the European Parliament and of the Council<sup>16</sup>; or
  - (b) prevents the recovery of the wastes in an environmentally sound manner.
2. The following wastes are included in this Annex:  
  

BEU04	Composite packaging consisting of mainly paper and some plastic, not containing residues and not covered by Basel entry B3020
BEU05	Clean biodegradable waste from agriculture, horticulture, forestry, gardens, parks and cemeteries
3. The shipments of waste listed in this Annex are without prejudice to the provisions of Council Directive 2000/29/EC<sup>17</sup>, including measures adopted pursuant to Article 16(3) thereof.

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<sup>16</sup> OJ L 312, 22.11.2008, p. 3.

<sup>17</sup> OJ L 169, 10.7.2000, p. 1.'

**ANNEX IV**

**LIST OF WASTES SUBJECT TO THE PROCEDURE OF PRIOR WRITTEN NOTIFICATION AND CONSENT**

**("AMBER" LISTED WASTE)<sup>18</sup>**

The following wastes will be subject to the procedure of prior written notification and consent:

Annex II Basel Convention

- Y46      *Wastes collected from households<sup>19</sup>*
- Y47      *Residues arising from the incineration of household wastes*

Liste A (Anlage VIII des Basler Übereinkommens)

**A1      Metal and metal-bearing wastes**

A1010    Metal wastes and waste consisting of alloys of any of the following:

- Antimony
- Arsenic
- Beryllium
- Cadmium
- Lead
- Mercury
- Selenium
- Tellurium
- Thallium

but excluding such wastes specifically listed on list B *under entry B1020, and which are in non-dispersible form<sup>20</sup>*

A1020    Waste having as constituents or contaminants, excluding metal waste in massive form, any of the following:

- Antimony; antimony compounds
- Beryllium; beryllium compounds
- Cadmium; cadmium compounds
- Lead; lead compounds
- Selenium; selenium compounds
- Tellurium; tellurium compounds

A1030    Wastes having as constituents or contaminants any of the following:

- Arsenic; arsenic compounds
- Mercury; mercury compounds
- Thallium; thallium compounds

A1040    Wastes having as constituents any of the following:

- Metal carbonyls
- Hexavalent chromium compounds

<b>AA010</b>	<b>261900</b>	<b>Dross, scalings and other wastes from the manufacture of iron and steel<sup>21</sup></b>
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<sup>18</sup> any reference to List B in Annex VIII to the Basel Convention shall be understood as a reference to Annex III of the WSR

<sup>19</sup> unless appropriately classified under a single entry in Annex III.

<sup>20</sup> as footnote 3

<sup>21</sup> This listing includes wastes in the form of ash, residue, slag, dross, skimming, scaling, dust, powder, sludge and cake, unless a material is expressly listed elsewhere.

AA060	262050	Vanadium ashes and residues <sup>22</sup>
AA190	810420 ex 810430	Magnesium waste and scrap that is flammable, pyrophoric or emits, upon contact with water, flammable gases in dangerous quantities
A1050		Galvanic sludges
A1060		Waste liquors from the pickling of metals
A1070		Leaching residues from zinc processing, dust and sludges such as jarosite, hematite, etc.
A1080		Waste zinc residues not included on list B, containing lead and cadmium in concentrations sufficient to exhibit Annex III characteristics
A1090		Ashes from the incineration of insulated copper wire
A1100		Dusts and residues from gas cleaning systems of copper smelters
A1110		Spent electrolytic solutions from copper electrorefining and electrowinning operations
A1120		Waste sludges, excluding anode slimes, from electrolyte purification systems in copper electrorefining and electrowinning operations
A1130		Spent etching solutions containing dissolved copper
A1140		Waste cupric chloride and copper cyanide catalysts
A1150		Precious metal ash from incineration of printed circuit boards not included on list B <sup>23</sup>
A1160		Waste lead-acid batteries, whole or crushed
A1170		Unsorted waste batteries excluding mixtures of only list B batteries. Waste batteries not specified on list B containing Annex I constituents to an extent to render them hazardous
A1180		does not apply <sup>24</sup> , and OECD entries GC010 and GC020 apply instead when appropriate <sup>25</sup>
A1190		Waste metal cables coated or insulated with plastics containing or contaminated with coal tar, PCB <sup>26</sup> , lead, cadmium, other organohalogen compounds or other Annex I constituents to an extent that they exhibit Annex III characteristics.
<b>A2</b>		<b>Wastes containing principally inorganic constituents, which may contain metals and organic materials</b>
A2010		Glass waste from cathode-ray tubes and other activated glasses
A2020		Waste inorganic fluorine compounds in the form of liquids or sludges but excluding such wastes specified on list B
A2030		Waste catalysts but excluding such wastes specified on list B
A2040		Waste gypsum arising from chemical industry processes, when containing Annex I constituents to the extent that it exhibits an Annex III hazardous characteristic (note the related entry on list B B2080)
A2050		Waste asbestos (dusts and fibres)
RB020	ex 6815	Ceramic-based fibres of physico-chemical characteristics similar to those of asbestos

<sup>22</sup> as mentioned in the above footnote

<sup>23</sup> Note that mirror entry on list B (B1160) does not specify exceptions.

<sup>24</sup> entry in the Basel list not applied:

"A1180 Waste electrical and electronic assemblies or scrap containing components such as accumulators and other batteries included on list A, mercury-switches, glass from cathode-ray tubes and other activated glass and PCB-capacitors, or contaminated with Annex I constituents (e.g., cadmium, mercury, lead, polychlorinated biphenyl) to an extent that they possess any of the characteristics contained in Annex III (note the related entry on list B B1110)"

<sup>25</sup> OECD Member countries may control these wastes differently in accordance with Chapter II B 6 of Decision C(2001)107/FINAL concerning wastes not listed in Appendices 3 or 4, and the chapeau of Appendix 3 to the OECD Decision. Concerning this the Correspondence meeting of EU has approved Correspondence Guideline No 4.

<sup>26</sup> PCBs are at a concentration level of 50 mg/kg or more.

A2060 does not apply<sup>27</sup> and OECD entry GG040 applies instead when appropriate<sup>28</sup>

AB030		Wastes from non-cyanide based systems which arise from surface treatment of metals
AB070		Sands used in foundry operations
AB120 <sup>29</sup>	ex 281290 ex 3824	Inorganic halide compounds, not elsewhere specified or included
AB130		Used blasting grit Sandstrahlrückstände
AB150	ex 382490	Unrefined calcium sulphite and calcium sulphate from flue gas desulphurization (FGD)

**A3 Wastes containing principally organic constituents, which may contain metals and inorganic materials**

A3010		Waste from the production or processing of petroleum coke and bitumen
A3020		Waste mineral oils unfit for their originally intended use
A3030		Wastes that contain, consist of or are contaminated with leaded anti-knock compound sludges
A3040		Waste thermal (heat transfer) fluids

AC060	ex 381900	Hydraulic fluids
AC070	ex 381900	Brake fluids
AC080	ex 382000	Antifreeze fluids

A3050		Wastes from production, formulation and use of resins, latex, plasticizers, glues/adhesives excluding such wastes specified on list B (note the related entry on list B B4020)
A3060		Waste nitrocellulose
A3070		Waste phenols, phenol compounds including chlorophenol in the form of liquids or sludges
A3080		Waste ethers not including those specified on list B

AC150		Chlorofluorocarbons
AC160		Halons
AC250		Surface active agents (surfactants)

A3090		Waste leather dust, ash, sludges and flours when containing hexavalent chromium compounds or biocides (note the related entry on list B B3100)
A3100		Waste paring and other waste of leather or of composition leather not suitable for the manufacture of leather articles containing hexavalent chromium compounds or biocides (note the related entry on list B B3090)
A3110		Fellmongery wastes containing hexavalent chromium compounds or biocides or infectious substances (note the related entry on list B B3110)
A3120		FLUFF — light fraction from shredding

AC170	ex 440310	Treated cork and wood wastes
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<sup>27</sup> entry in the Basel list not applied:

"A2060 Coal-fired power plant fly-ash containing Annex I substances in concentrations sufficient to exhibit Annex III characteristics (note the related entry on list B B2050)"

<sup>28</sup> OECD Member countries may control these wastes differently in accordance with Chapter II B 6 of Decision C(2001)107/FINAL concerning wastes not listed in Appendices 3 or 4, and the chapeau of Appendix 3 to the OECD Decision. Concerning this the Correspondence meeting of EU has approved Correspondence Guideline No 4.

<sup>29</sup> This entry includes spent potlinings from aluminium smelting without inorganic cyanides but containing Y32, inorganic fluorine compounds excluding calcium fluoride.

AC260	ex 3101	Liquid pig manure; faeces
AC270		Liquid pig manure; faeces

- A3130 Waste organic phosphorous compounds
- A3140 Waste non-halogenated organic solvents but excluding such wastes specified on list B
- A3150 Waste halogenated organic solvents
- A3160 Waste halogenated or unhalogenated non-aqueous distillation residues arising from organic solvent recovery operations
- A3170 Wastes arising from the production of aliphatic halogenated hydrocarbons (such as chloromethane, dichloro-ethane, vinyl chloride, vinylidene chloride, allyl chloride and epichlorhydrin)
- A3180 Wastes, substances and articles containing, consisting of or contaminated with polychlorinated biphenyl (PCB), polychlorinated terphenyl (PCT), polychlorinated naphthalene (PCN) or polybrominated biphenyl (PBB), or any other polybrominated analogues of these compounds, at a concentration level of 50 mg/kg or more<sup>30</sup>
- A3190 Waste tarry residues (excluding asphalt cements) arising from refining, distillation and any pyrolytic treatment of organic materials
- A3200 Bituminous material (asphalt waste) from road construction and maintenance, containing tar (note the related entry on list B, B2130)

#### **A4 Wastes which may contain either inorganic or organic constituents**

- A4010 Wastes from the production, preparation and use of pharmaceutical products but excluding such wastes specified on list B
- A4020 Clinical and related wastes; that is wastes arising from medical, nursing, dental, veterinary, or similar practices, and wastes generated in hospitals or other facilities during the investigation or treatment of patients, or research projects
- A4030 Wastes from the production, formulation and use of biocides and phytopharmaceuticals, including waste pesticides and herbicides which are off-specification, outdated,<sup>31</sup> or unfit for their originally intended use
- A4040 Wastes from the manufacture, formulation and use of wood-preserving chemicals<sup>32</sup>
- A4050<sup>33</sup> Wastes that contain, consist of or are contaminated with any of the following:
- Inorganic cyanides, excepting precious-metal-bearing residues in solid form containing traces of inorganic cyanides
  - Organic cyanides
- A4060 Waste oils/water, hydrocarbons/water mixtures, emulsions
- A4070 Wastes from the production, formulation and use of inks, dyes, pigments, paints, lacquers, varnish excluding any such waste specified on list B (note the related entry on list B B4010)

AD090	ex 382490	Wastes from production, formulation and use of reprographic and photographic chemicals and materials not elsewhere specified or included
AD100		Wastes from non-cyanide based systems which arise from surface treatment of plastics
AD120	ex 391400 ex 3915	Ion exchange resins

- A4080 Wastes of an explosive nature (but excluding such wastes specified on list B)

<sup>30</sup> The 50 mg/kg level is considered to be an internationally practical level for all wastes. However, many individual countries have established lower regulatory levels (e.g., 20 mg/kg) for specific wastes.

<sup>31</sup> "Outdated" means unused within the period recommended by the manufacturer

<sup>32</sup> This entry does not include wood treated with wood preserving chemicals.

<sup>33</sup> This entry includes spent potlinings from aluminium smelting containing Y33, inorganic cyanides. If the cyanides have been destroyed, spent potlinings are assigned to Part II entry AB120 because they contain Y32, inorganic fluorine compounds excluding calcium fluoride.

- A4090 Waste acidic or basic solutions, other than those specified in the corresponding entry on list B (note the related entry on list B B2120)
- A4100 Wastes from industrial pollution control devices for cleaning of industrial off-gases but excluding such wastes specified on list B

**AD150 Naturally occurring organic material used as a filter medium (such as bio-filters)**

- A4110 Wastes that contain, consist of or are contaminated with any of the following:
- Any congener of polychlorinated dibenzo-furan
  - Any congener of polychlorinated dibenzo-dioxin
- A4120 Wastes that contain, consist of or are contaminated with peroxides
- A4130 Waste packages and containers containing Annex I substances in concentrations sufficient to exhibit Annex III hazard characteristics
- A4140 Waste consisting of or containing off specification or outdated<sup>34</sup> chemicals corresponding to Annex I categories and exhibiting Annex III hazard characteristics
- A4150 Waste chemical substances arising from research and development or teaching activities which are not identified and/or are new and whose effects on human health and/or the environment are not known
- A4160 Spent activated carbon not included on list B (note the related entry on list B B2060)

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<sup>34</sup> "Outdated" means unused within the period recommended by the manufacturer