

Consolidated Waste Lists for transboundary movements¹

ANNEX III²

LIST OF WASTES SUBJECT TO THE GENERAL INFORMATION REQUIREMENTS LAID DOWN IN ARTICLE 18 ("GREEN" LISTED WASTE)³

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

¹ This text is for information purposes only and is not legally binding. In particular, this information does not replace the binding waste lists of Regulation (EC) 1013/2006, the Basel Convention and the OECD Council Decision, which alone are legally binding. This overview has been prepared from the perspective of EU law, which distinguishes between imports and exports within the EU, with OECD countries and with non-OECD countries (also called third countries). Non-EU countries means other OECD countries and third countries.

This version was prepared by Dr. Joachim Wuttke on the basis of the list published by the German Federal Environment Agency and the "Guidance Manual for the Implementation of the OECD Decision C(2001)107/Final" and contains a few additions (from the Guidance Manual) in the footnotes.

State January 2021

² Annex of the Regulation (EC) No 1013/2006 of the European Parliament and of the Council of 14 June 2006 on shipments of waste as amended by Commission Delegated Regulation (EU) 2020/2174 of 19 October 2020 OJ L 433, p. 11 of 22 December 2020 amending Annexes IC, III, IIIA, IV, V, VII and VIII to Regulation (EC) No 1013/2006.

³ Any reference to List A in Annex IX to the Basel Convention shall be understood as a reference to Annex IV of the WSR

- B1020 Clean, uncontaminated metal scrap, including alloys, in bulk finished form *i.e. non-dispersible form*⁴ (sheet, plate, beams, rods, etc.), of:
- Antimony scrap
 - Beryllium scrap
 - Cadmium scrap
 - 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 characteristics⁵
- 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 H4.3⁶
- 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*⁷ and replaced by the following entry GB040
 - 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 ⁸	262030	Slags from precious metals and copper processing for further refining
	262090	

⁴ "Non-dispersible" does not include any wastes in the form of powder, sludge, dust or solid items containing encased hazardous waste liquids

⁵ 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.

⁶ 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.

⁷ 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 "

⁸ 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	<i>DELETED⁹, and replaced by the two following entries GC010 and GC020</i>																																
GC010	<i>Electrical assemblies consisting only of metals or alloys</i>																																
GC020	<i>Electronic scrap (e.g. printed circuit boards, electronic components, wire, etc.) and reclaimed electronic components suitable for base and precious metal recovery</i>																																
GC050	<i>Spent Fluid Catalytic Cracking (FCC) Catalysts (e.g.: aluminium oxide, zeolites)</i>																																
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"> — 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> — Lanthanides (rare earth metals): <table border="0"> <tr> <td>Lanthanum</td> <td>Cerium</td> </tr> <tr> <td>Praseodymium</td> <td>Neodymium</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> 	Scandium	Titanium	Vanadium	Chromium	Manganese	Iron	Cobalt	Nickel	Copper	Zinc	Yttrium	Zirconium	Niobium	Molybdenum	Hafnium	Tantalum	Tungsten	Rhenium	Lanthanum	Cerium	Praseodymium	Neodymium	Samarium	Europium	Gadolinium	Terbium	Dysprosium	Holmium	Erbium	Thulium	Ytterbium	Lutetium
Scandium	Titanium																																
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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 ₂ and vanadium																																
B1220	Slag from zinc production, chemically stabilized, having a high iron content (above 20%) and processed according to industrial specifications (e.g., DIN 4301) mainly for construction																																
B1230	Mill scaling arising from the manufacture of iron and steel																																
B1240	Copper oxide mill-scale																																

⁹ 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"

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 waste*

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

B2010 Wastes from mining operations in non-dispersible form¹⁰:

- 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*¹¹
ex 701939

B2030 Ceramic wastes in non-dispersible form:

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

GF010 *Ceramic wastes in non-dispersible form*¹² *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*

B2050 *DELETED*¹³, and replaced by the following entry GG040

GG040 ex 2621 *Coal-fired power plants fly ash*

¹⁰ "Non-dispersible" does not include any wastes in the form of powder, sludge, dust or solid items containing encased hazardous waste liquids

¹¹ as previous footnote

¹² as previous footnote

¹³ 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)"

- 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 tar¹⁴ (note the related entry on list A, A3200)

¹⁴ The concentration level of Benzol (a) pyrene should not be 50mg/kg or more.

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

B3011¹⁵ Plastic waste (note the related entry A3210, in list A of this Part, and entry Y48, in list A of Part 3)

- Plastic waste listed below, provided it is destined for recycling¹⁶ in an environmentally sound manner and almost free from contamination and other types of wastes¹⁷:
 - Plastic waste almost exclusively¹⁸ consisting of one non-halogenated polymer, including but not limited to the following polymers:
 - Polyethylene (PE)
 - Polypropylene (PP)
 - Polystyrene (PS)
 - Acrylonitrile butadiene styrene (ABS)
 - Polyethylene terephthalate (PET)
 - Polycarbonates (PC)
 - Polyethers
 - Plastic waste almost exclusively¹⁹ consisting of one cured resin or condensation product, including but not limited to the following resins:
 - Urea formaldehyde resins
 - Phenol formaldehyde resins
 - Melamine formaldehyde resins
 - Epoxy resins
 - Alkyd resins
 - Plastic waste almost exclusively²⁰ consisting of one of the following fluorinated polymers:²¹
 - Perfluoroethylene/propylene (FEP)
 - Perfluoroalkoxy alkanes:
 - Tetrafluoroethylene/perfluoroalkyl vinyl ether (PFA)
 - Tetrafluoroethylene/perfluoromethyl vinyl ether (MFA)
 - Polyvinylfluoride (PVF)
 - Polyvinylidene fluoride (PVDF)
 - Mixtures of plastic waste, consisting of polyethylene (PE), polypropylene (PP) and/or polyethylene terephthalate (PET), provided they are destined for separate recycling²² of each material and in an environmentally sound manner, and almost free from contamination and other types of wastes²³.

¹⁵ **Entry B3011 applies only to exports to and imports from non-OECD third countries. For shipments in the EU, EU3011 applies.**

¹⁶ Recycling/reclamation of organic substances that are not used as solvents (R3 in Annex IV, sect. B) or, if needed, temporary storage limited to one instance, provided that it is followed by operation R3 and evidenced by contractual or relevant official documentation.

¹⁷ In relation to “almost free from contamination and other types of wastes”, international and national specifications may offer a point of reference.

¹⁸ In relation to “almost exclusively”, international and national specifications may offer a point of reference.

¹⁹ In relation to “almost exclusively”, international and national specifications may offer a point of reference.

²⁰ In relation to “almost exclusively”, international and national specifications may offer a point of reference.

²¹ Post-consumer wastes are excluded.

²² Recycling/reclamation of organic substances that are not used as solvents (R3 in Annex IV, sect. B) or, if needed, temporary storage limited to one instance, provided that it is followed by operation R3 and evidenced by contractual or relevant official documentation.

²³ In relation to “almost free from contamination and other types of wastes”, international and national specifications may offer a point of reference.

EU3011 ²⁴	<p>Plastic waste (note the related entry AC300 in part II of Annex IV, and the related entry EU48 in part I of Annex IV):</p> <p>Plastic waste listed below, provided it is almost free from contamination and other types of waste²⁵:</p> <ul style="list-style-type: none"> – Plastic waste almost exclusively²⁶ consisting of one non-halogenated polymer, including but not limited to the following polymers: <ul style="list-style-type: none"> – Polyethylene (PE) – Polypropylene (PP) – Polystyrene (PS) – Acrylonitrile butadiene styrene (ABS) – Polyethylene terephthalate (PET) – Polycarbonates (PC) – Polyethers – Plastic waste almost exclusively²⁷ consisting of one cured resin or condensation product, including but not limited to the following resins: <ul style="list-style-type: none"> – Urea formaldehyde resins – Phenol formaldehyde resins – Melamine formaldehyde resins – Epoxy resins – Alkyd resins – Plastic waste almost exclusively²⁸ consisting of one of the following fluorinated polymers²⁹: <ul style="list-style-type: none"> – Perfluoroethylene/propylene (FEP) – Perfluoroalkoxy alkanes: <ul style="list-style-type: none"> - Tetrafluoroethylene/perfluoroalkyl vinyl ether (PFA) - Tetrafluoroethylene/perfluoromethyl vinyl ether (MFA) – Polyvinylfluoride (PVF) – Polyvinylidene fluoride (PVDF) – Polytetrafluoroethylene (PTFE) – Polyvinyl chloride (PVC)
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GH013 Deleted in the EU³⁰, as included in EU3011

²⁴ **Entry EU3011 only applies to waste shipped within the EU
Entry B3011 applies to exports to and imports from third countries**

²⁵ In relation to “almost free from contamination and other types of wastes”, international and national specifications may offer a point of reference.

²⁶ In relation to “almost exclusively”, international and national specifications may offer a point of reference.

²⁷ In relation to “almost exclusively”, international and national specifications may offer a point of reference.

²⁸ In relation to “almost exclusively”, international and national specifications may offer a point of reference.

²⁹ Post consumer wastes are excluded

³⁰ Deleted entry:

GH013 391530 ex 390410-40 Polymers of vinyl chloride

For shipments within the EU, vinyl chloride polymers are included in EU3011 (last line). For export to and import from non-EU countries, these wastes fall under entry Y48

- 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
 - 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	<i>Waste of pigs', hogs' or boars' bristles and hair or of badger hair and other brushmaking hair</i>
GN020	ex 050300	<i>Horsehair waste, whether or not put up as a layer with or without supporting material</i>
GN030	ex 050590	<i>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</i>

- 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) bis f) have been deleted
 - (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.

4. The following mixtures of wastes classified under separate indents or sub-indents of one single entry are included in this Annex only for the purposes of shipments within the Union:
- (a) mixtures of wastes classified under entry EU3011 and listed under the indent referring to non-halogenated polymers;
 - (b) mixtures of wastes classified under entry EU3011 and listed under the indent referring to cured resins or condensation products;
 - (c) mixtures of wastes classified under entry EU3011 and listed under "perfluoroalkoxy alkanes";

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 Council³¹; 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/EC³², including measures adopted pursuant to Article 16(3) thereof.

³¹ OJ L 312, 22.11.2008, p. 3.

³² 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)³³

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

Wastes listed in Annexes II and VIII to the Basel Convention

Annex II Basel Convention

- Y46 Wastes collected from households³⁴
- Y47 Residues arising from the incineration of household wastes
- Y48³⁵ Plastic waste, including mixtures of such waste, with the exception of the following:
- Plastic waste that is hazardous waste (see entry A3210 in part 1 of list A in Annex V)
 - Plastic waste listed below, provided it is destined for recycling³⁶ in an environmentally sound manner and almost free from contamination and other types of wastes:³⁷
 - Plastic waste almost exclusively³⁸ consisting of one non-halogenated polymer, including but not limited to the following polymers:
 - Polyethylene (PE)
 - Polypropylene (PP)
 - Polystyrene (PS)
 - Acrylonitrile butadiene styrene (ABS)
 - Polyethylene terephthalate (PET)
 - Polycarbonates (PC)
 - Polyethers
 - Plastic waste almost exclusively³⁹ consisting of one cured resin or condensation product, including but not limited to the following resins:
 - Urea formaldehyde resins
 - Phenol formaldehyde resins
 - Melamine formaldehyde resins
 - Epoxy resins
 - Alkyd resins

³³ any reference to List B in Annex VIII to the Basel Convention shall be understood as a reference to Annex III of the WSR

³⁴ unless appropriately classified under a single entry in Annex III of the WSR.

³⁵ **Entry Y48 applies only to exports to and imports from non-EU countries. For shipments within the EU, the entry EU48 applies.**

³⁶ Recycling/reclamation of organic substances that are not used as solvents (R3 in Annex IV, sect. B) or, if needed, temporary storage limited to one instance, provided that it is followed by operation R3 and evidenced by contractual or relevant official documentation.

³⁷ In relation to "almost free from contamination and other types of wastes", international and national specifications may offer a point of reference.

³⁸ In relation to "almost exclusively", international and national specifications may offer a point of reference.

³⁹ In relation to "almost exclusively", international and national specifications may offer a point of reference.

- Plastic waste almost exclusively⁴⁰ consisting of one of the following fluorinated polymers:⁴¹
 - Perfluoroethylene/propylene (FEP)
 - Perfluoroalkoxy alkanes:
 - Tetrafluoroethylene/perfluoroalkyl vinyl ether (PFA)
 - Tetrafluoroethylene/perfluoromethyl vinyl ether (MFA)
 - Polyvinylfluoride (PVF)
 - Polyvinylidene fluoride (PVDF)
- Mixtures of plastic waste, consisting of polyethylene (PE), polypropylene (PP) and/or polyethylene terephthalate (PET), provided they are destined for separate recycling⁴² of each material and in an environmentally sound manner, and almost free from contamination and other types of wastes⁴³.

EU48⁴⁴ Plastic waste not covered by entry AC300 in part II or by entry EU3011 in part I of Annex III, as well as mixtures of plastic waste not covered by point 4 of Annex IIIA.

List A (Annex VIII of Basel Convention)

A1 Metal and metal-bearing wastes

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

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

but excluding such wastes specifically listed on list B *under entry B1020, and which are in non-dispersible form*⁴⁵

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

⁴⁰ In relation to “almost exclusively”, international and national specifications may offer a point of reference.

⁴¹ Post-consumer wastes are excluded

⁴² Recycling/reclamation of organic substances that are not used as solvents (R3 in Annex IV, sect. B) or, if needed, temporary storage limited to one instance, provided that it is followed by operation R3 and evidenced by contractual or relevant official documentation.

⁴³ In relation to “almost free from contamination and other types of wastes”, international and national specifications may offer a point of reference.

⁴⁴ **Entry EU 48 only applies to waste shipped within the Union**

Entry Y 48 applies to exports to and imports from non-EU countries

⁴⁵ “Non-dispersible” does not include any wastes in the form of powder, sludge, dust or solid items containing encased hazardous waste liquids

- Thallium; thallium compounds
- A1040 Wastes having as constituents any of the following:
- Metal carbonyls
 - Hexavalent chromium compounds

AA010	261900	Dross, scalings and other wastes from the manufacture of iron and steel ⁴⁶
AA060	262050	Vanadium ashes and residues ⁴⁷
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 B⁴⁸
- 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 apply⁴⁹, and OECD entries GC010 and GC020 apply instead when appropriate⁵⁰

- A1190 Waste metal cables coated or insulated with plastics containing or contaminated with coal tar, PCB⁵¹, lead, cadmium, other organohalogen compounds or other Annex I constituents to an extent that they exhibit Annex III characteristics.

A2 Wastes containing principally inorganic constituents, which may contain metals and organic materials

- 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

⁴⁶ 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.

⁴⁷ as mentioned in the above footnote

⁴⁸ Note that mirror entry on list B (B1160) does not specify exceptions.

⁴⁹ 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)"

⁵⁰ 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 6.

⁵¹ PCBs are at a concentration level of 50 mg/kg or more.

- 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

A2060 does not apply⁵² and OECD entry GG040 applies instead when appropriate⁵³

AB030 Wastes from non-cyanide based systems which arise from surface treatment of metals

AB070 Sands used in foundry operations

AB120⁵⁴ ex 281290 Inorganic halide compounds, not elsewhere specified or included
ex 3824

AB130 Used blasting grit

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)

⁵² 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)"

⁵³ 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.

⁵⁴ This entry includes spent potlinings from aluminium smelting without inorganic cyanides but containing Y32, inorganic fluorine compounds excluding calcium fluoride.

- 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

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 more⁵⁵
- 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)
- A3210⁵⁶ Plastic waste, including mixtures of such waste, containing or contaminated with Annex I constituents, to an extent that it exhibits an Annex III characteristic (note the related entry B3011, in list B of this Part, and entry Y48, in list A of Part 3)

AC300⁵⁷ Plastic waste, including mixtures of such wastes, containing or contaminated with Annex I constituents, to an extent that it exhibits an Annex III characteristic (note the related entry EU3011 in part I of Annex III, and the related entry EU48 in part I)

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,⁵⁸ or unfit for their originally intended use
- A4040 Wastes from the manufacture, formulation and use of wood-preserving chemicals⁵⁹

⁵⁵ 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.

⁵⁶ **Entry A3210 only applies to exports to and import from non EU and non-OECD countries. In the EU and OECD the entry AC300 applies**

⁵⁷ **The entry AC300 only applies to shipments within the EU/OECD.**

For shipments with other countries A3210 applies

⁵⁸ "Outdated" means unused within the period recommended by the manufacturer

⁵⁹ This entry does not include wood treated with wood preserving chemicals.

A4050⁶⁰ 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 Ion exchange resins
ex 3915*

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

A4090 Waste acidic or basic solutions, other than those specified in the corresponding entry on list B (note the related entry on list B B2120)

A4100 Wastes from industrial pollution control devices for cleaning of industrial off-gases but excluding such wastes specified on list B

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 outdated⁶¹ 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)

⁶⁰ 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.

⁶¹ "Outdated" means unused within the period recommended by the manufacturer