

ANNEX V

WASTE SUBJECT TO THE EXPORT PROHIBITION IN ARTICLE 36

Part 1⁽¹⁾

List B (Annex IX to the Basel Convention)

B1 METAL AND METAL BEARING WASTES

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

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

B1020 Clean, uncontaminated metal scrap, including alloys, in bulk finished form (sheet, plate, beams, rods, etc.):

- Antimony scrap
- Beryllium scrap
- Cadmium scrap
- Lead scrap (but excluding lead-acid batteries)
- Selenium scrap
- Tellurium scrap

B1030 Refractory metals containing residues

- 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.

Changes to legislation: There are currently no known outstanding effects for the Regulation (EC) No 1013/2006 of the European Parliament and of the Council, List B (Annex IX to the Basel Convention). (See end of Document for details)

- 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⁽²⁾
- 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
- [^{X1}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]⁽³⁾

Editorial Information

- X1** Substituted by [Corrigendum to Regulation \(EC\) No 1013/2006 of the European Parliament and of the Council of 14 June 2006 on shipments of waste \(Official Journal of the European Union L 190 of 12 July 2006\)](#).

- 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:
 - Galvanising slab zinc top dross (>90 % Zn)
 - Galvanising slab zinc bottom dross (>92 % Zn)
 - Zinc die casting dross (>85 % Zn)
 - Hot dip galvanisers slab zinc dross (batch) (>92 % Zn)
 - Zinc skimmings
 - Aluminium skimmings (or skims) excluding salt slag
 - Slags from copper processing for further processing or refining not containing arsenic, lead or cadmium to an extent that they exhibit Annex III hazard characteristics
 - Wastes of refractory linings, including crucibles, originating from copper smelting
 - Slags from precious metals processing for further refining
 - Tantalum bearing tin slags with less than 0,5 % tin
- B1110 Electrical and electronic assemblies:
- Electronic assemblies consisting only of metals or alloys
 - Waste electrical and electronic assemblies or scrap⁽⁴⁾(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)

Changes to legislation: There are currently no known outstanding effects for the Regulation (EC) No 1013/2006 of the European Parliament and of the Council, List B (Annex IX to the Basel Convention). (See end of Document for details)

— Electrical and electronic assemblies (including printed circuit boards, electronic components and wires) destined for direct re-use⁽⁵⁾ and not for recycling or final disposal⁽⁶⁾

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:

—	Transition Metals, excluding waste catalysts (spent catalysts, liquid used catalysts or other catalysts) on list A	Scandium Vanadium Manganese Cobalt Copper Yttrium Niobium Hafnium Tungsten	Titanium Chromium Iron Nickel Zinc Zirconium Molybdenum Tantalum Rhenium
—	Lanthanides (rare earth metals):	Lanthanum Praseodymium Samarium Gadolinium Dysprosium Erbium Ytterbium	Cerium [¹⁴¹ Neodymium] Europium Terbium Holmium Thulium 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 TiO₂ and Vanadium

B1220 Slag from zinc production, chemically stabilised, 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

Changes to legislation: There are currently no known outstanding effects for the Regulation (EC) No 1013/2006 of the European Parliament and of the Council, List B (Annex IX to the Basel Convention). (See end of Document for details)

- B1240 Copper oxide mill-scale
- B1250 Waste end-of-life motor vehicles, containing neither liquids nor other hazardous components
- B2 WASTES CONTAINING PRINCIPALLY INORGANIC CONSTITUENTS, WHICH MAY CONTAIN METALS AND ORGANIC MATERIALS**
- B2010 Wastes from mining operations in non-dispersible form:
- Natural graphite waste
 - Slate waste, whether or not roughly trimmed or merely cut, by sawing or otherwise
 - Mica waste
 - Leucite, nepheline and nepheline syenite waste
 - Feldspar waste
 - Fluorspar waste
 - Silica wastes in solid form excluding those used in foundry operations
- B2020 Glass waste in non-dispersible form:
- Cullet and other waste and scrap of glass except for glass from cathode-ray tubes and other activated glasses
- B2030 Ceramic wastes in non-dispersible form:
- Cermet wastes and scrap (metal ceramic composites)
 - Ceramic based fibres not elsewhere specified or included
- B2040 Other wastes containing principally inorganic constituents:
- Partially refined calcium sulphate produced from flue-gas desulphurisation (FGD)
 - Waste gypsum wallboard or plasterboard arising from the demolition of buildings
 - Slag from copper production, chemically stabilised, having a high iron content (above 20 %) and processed according to industrial specifications (e.g. DIN 4301 and DIN 8201) mainly for construction and abrasive applications
 - Sulphur in solid form
 - Limestone from the production of calcium cyanamide (having a pH less than 9)
 - Sodium, potassium, calcium chlorides
 - Carborundum (silicon carbide)
 - Broken concrete
 - Lithium-Tantalum and Lithium-Niobium containing glass scraps
- B2050 Coal-fired power plant fly-ash, not included on list A (note the related entry on list A, A2060)
- B2060 Spent activated carbon [^{X1}not containing any Annex I constituents to the extent that 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)

Changes to legislation: There are currently no known outstanding effects for the Regulation (EC) No 1013/2006 of the European Parliament and of the Council, List B (Annex IX to the Basel Convention). (See end of Document for details)

- 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⁽⁷⁾(note the related entry on list A A3200)
- B3 WASTES CONTAINING PRINCIPALLY ORGANIC CONSTITUENTS, WHICH MAY CONTAIN METALS AND INORGANIC MATERIALS

[^FB3011 Plastic waste listed below, provided it is destined for recycling/reclamation in an environmentally sound manner and almost free from contamination and other types of wastes:

—Plastic waste almost exclusively consisting of one nonhalogenated polymer, including but not limited to the following polymers:

- o Polyethylene (PE)
- o Polypropylene (PP)
- o Polystyrene (PS)
- o Acrylonitrile butadiene styrene (ABS)
- o Polyethylene terephthalate (PET)
- o Polycarbonates (PC)
- o Polyethers

—Plastic waste almost exclusively consisting of one cured resin or condensation product including, but not limited to the following resins:

- o Urea formaldehyde resins
- o Phenol formaldehyde resins
- o Melamine formaldehyde resins
- o Epoxy resins
- o Alkyd resins

—Plastic waste, except post-consumer waste, almost exclusively consisting of one of the following fluorinated polymers:

- o Perfluoroethylene/propylene (FEP)
- o Perfluoro alkoxyl alkane
- o Tetrafluoroethylene/per fluoro vinyl ether (PFA)
- o Tetrafluoroethylene/per fluoro methylvinyl ether (MFA)
- o Polyvinylfluoride (PVF)
- o Polyvinylidene fluoride (PVDF)

—Mixtures of plastic wastes, consisting of polyethylene (PE), polypropylene (PP) or polyethylene terephthalate (PET), provided they are destined for separate recycling/reclamation of each material and in an environmentally sound manner, and almost free from contamination and other types of wastes.

Changes to legislation: There are currently no known outstanding effects for the Regulation (EC) No 1013/2006 of the European Parliament and of the Council, List B (Annex IX to the Basel Convention). (See end of Document for details)

In this entry, “recycling/reclamation” means either of the following, as evidenced by contractual or relevant official documentation—

- (a) the recycling/reclamation of organic substances which are not used as solvents, or
- (b) if needed, temporary storage limited to one operation, provided that it is followed by the recycling/reclamation of organic substances which are not used as solvents.]

Textual Amendments

- F1** Annex 5 Pt. 1 List B Section B3 entry B3011 substituted for entry B3010 (1.1.2021) by The International Waste Shipments (Amendment of Regulation (EC) No 1013/2006) Regulations 2020 (S.I. 2020/1455), regs. 2, 8(4)

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

[^{F2}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

Textual Amendments

- F2** Inserted by Commission Regulation (EU) No 1234/2014 of 18 November 2014 amending Annexes IIIB, V and VIII to Regulation (EC) No 1013/2006 of the European Parliament and of the Council on shipments of waste (Text with EEA relevance).

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

Changes to legislation: There are currently no known outstanding effects for the Regulation (EC) No 1013/2006 of the European Parliament and of the Council, List B (Annex IX to the Basel Convention). (See end of Document for details)

- other
- Waste of wool or of fine or coarse animal hair, including yarn waste but excluding garnetted stock
 - noils of wool or of fine animal hair
 - other waste of wool or of fine animal hair
 - waste of coarse animal hair
- Cotton waste (including yarn waste and garnetted stock)
 - yarn waste (including thread waste)
 - garnetted stock
 - other
- Flax tow and waste
- Tow and waste (including yarn waste and garnetted stock) of true hemp (*Cannabis sativa* L.)
- Tow and waste (including yarn waste and garnetted stock) of jute and other textile bast fibres (excluding flax, true hemp and ramie)
- Tow and waste (including yarn waste and garnetted stock) of sisal and other textile fibres of the genus *Agave*
- Tow, noils and waste (including yarn waste and garnetted stock) of coconut
- Tow, noils and waste (including yarn waste and garnetted stock) of abaca (Manila hemp or *Musa textilis* Nee)
- Tow, noils and waste (including yarn waste and garnetted stock) of ramie and other vegetable textile fibres, not elsewhere specified or included
- Waste (including noils, yarn waste and garnetted stock) of man-made fibres
 - of synthetic fibres
 - of artificial fibres
- Worn clothing and other worn textile articles
- Used rags, scrap twine, cordage, rope and cables and worn out articles of twine, cordage, rope or cables of textile
 - sorted
 - other

B3035 Waste textile floor coverings, carpets

B3040 Rubber wastes

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

- Waste and scrap of hard rubber (e.g. ebonite)
- Other rubber wastes (excluding such wastes specified elsewhere)

B3050 Untreated cork and wood waste:

- Wood waste and scrap, whether or not agglomerated in logs, briquettes, pellets or similar forms
- Cork waste: crushed, granulated or ground cork

B3060 Wastes arising from agro-food industries provided it is not infectious:

- Wine lees
- Dried and sterilised vegetable waste, residues and byproducts, whether or not in the form of pellets, or a kind used in animal feeding, not elsewhere specified or included

Changes to legislation: There are currently no known outstanding effects for the Regulation (EC) No 1013/2006 of the European Parliament and of the Council, List B (Annex IX to the Basel Convention). (See end of Document for details)

- [^{X1}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
- 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, plasticisers, glues/adhesives, not listed on list A, free of solvents and other contaminants to an extent that they do not exhibit Annex III characteristics, [^{X1}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

Changes to legislation: There are currently no known outstanding effects for the Regulation (EC) No 1013/2006 of the European Parliament and of the Council, List B (Annex IX to the Basel Convention). (See end of Document for details)

- (1) References in Lists A and B to Annexes I, III and IV refer to Annexes of the Basel Convention.
- (2) 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.
- (3) [^{XI}The status of zinc ash is currently under review and there is a recommendation with United Nations Conference on Trade and Development (UNCTAD) that zinc ashes should not be dangerous goods.]
- (4) This entry does not include scrap from electrical power generation.
- (5) Re-use can include repair, refurbishment or upgrading, but not major reassembly.
- (6) In some countries these materials destined for direct re-use are not considered wastes.
- (7) The concentration level of Benzol[a]pyrene should not be 50mg/kg or more.

Editorial Information

- X1** Substituted by [Corrigendum to Regulation \(EC\) No 1013/2006 of the European Parliament and of the Council of 14 June 2006 on shipments of waste \(Official Journal of the European Union L 190 of 12 July 2006\)](#).

Changes to legislation:

There are currently no known outstanding effects for the Regulation (EC) No 1013/2006 of the European Parliament and of the Council, List B (Annex IX to the Basel Convention).