

Environmental Materials Declaration Workshop

Summary of Agreements
(Overview of EIA Guide)

General Framework

Objective

The aim of the initiative is to establish a common materials/substance reporting format.

This will allow the industry to standardize data gathering on certain materials and substances which are present in electrical and electronic equipment at greatly reduced cost, whilst substantially reducing the reporting burden on the whole supply chain.

This will be realized through a common structured materials data exchange to support the supply chain.

General Framework

The data will fulfill the following objectives:

- Satisfy legislation.
 - Document compliance with materials bans and restrictions.
 - Provide information for recyclers on potentially hazardous materials.
 - Document compliance with mandatory safety requirements.
- Drive environmental improvements in design.
 - Reduction or elimination of certain materials
 - Improvements to recyclability at end-of-life
- Provide information for customers and stakeholders when required.

General Framework

- Two categories of substances appropriate for standardization
 - Level A (Legislated Prohibitions or Restrictions)
 - Level B (Sustainability and Design)
- Other substances reported based on individual B2B requirements (not standardized)

General Framework

Level A (legislated prohibitions and restrictions)

Will comprise those materials and/or substances that are knowingly present or intentionally added within the materials that comprise the product and which are subject to current or enacted legislation that either,

- a) Prohibits the use and/or marketing of those materials and/or substances
- b) Restricts the use and/or marketing of those materials and/or substances
- c) Requires reporting or other regulatory effects

General Framework

Level B (Sustainability and Design)

Comprises those materials and/or substances which are knowingly present or intentionally added in electrical and electronic equipment and which are deemed reportable for the purposes of proactively managing the supply chain in a sustainable manner, and which meet one of the following criteria:

- a) Precious materials and/or substances that are present in electronics that provide economic value at end-of-life to recyclers.
- b) Materials and/or substances that are of significant environmental or health and safety interest.
- c) Materials and/or substances that would trigger hazardous waste regulatory requirements.
- d) Materials and/or substances that could have a negative impact on end-of-life management

Level A Substances

Substance/Material	Legal Limit/Threshold Level ^[1]
Asbestos	Intentionally Added ^[2]
Azo Colorants	Intentionally Added
Cadmium /Cadmium Compounds	75 ppm ^[3] or Intentionally Added ^[4]
Hexavalent Chromium /Hexavalent Chromium Compounds	1000 ppm or Intentionally Added ^[5]
Lead /Lead Compounds/Lead Alloys	1000 ppm or Intentionally Added ^[6]
Mercury /Mercury Compounds/Mercury alloys	1000 ppm or Intentionally Added ^[7]
Ozone Depleting Substances (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)	Intentionally Added (Class I), 1000 ppm (Class II -HCFCs)
Polybrominated Biphenyls (PBBs)	1000 ppm or Intentionally Added ^[8]
Polybrominated Diphenylethers (PBDEs)	1000 ppm or Intentionally Added ^[9]
Polychlorinated Biphenyls (PCBs)	Intentionally Added
Polychlorinated Naphthalenes (more than 3 chlorine atoms)	Intentionally Added
Radioactive Substances	Intentionally Added
Shortchain Chlorinated Paraffins	Intentionally Added
Tributyl Tin (TBT) and Triphenyl Tin (TPT)	Intentionally Added
Tributyl Tin Oxide (TBTO)	Intentionally Added

Level B Substances

Substance/Material	Threshold Level [1]
Antimony/Antimony Compounds	1000 ppm
Arsenic/Arsenic Compounds	1000 ppm [2]
Beryllium/Beryllium Compounds/Beryllium Alloys	1000 ppm
Bismuth/ Bismuth Compounds/Bismuth Alloys	1000 ppm
Brominated Flame Retardants (other than PBBs or PBDEs). [3]	1000 ppm
Copper/Copper Compounds/Copper Alloys	1000 ppm
Gold/Gold Compounds/Gold Alloys	1000 ppm
Magnesium	1000 ppm
Nickel/Nickel Compounds	1000 ppm [4]

Level B Substances

Substance/Material	Threshold Level^[1]
Palladium/Palladium Compounds/Palladium Alloys	1000 ppm
Phthalates of following di-iso-nonyl phthalate (DINP), di(2-ethylhexyl) phthalate (DEHP), dibutyl phthalate (DBP), di-iso-decyl phthalate (DIDP), di-n-octyl phthalate (DNOP), butylbenzyl phthalate (BBP)	1000 ppm
Selenium/Selenium Compounds/Selenium Alloys	1000 ppm
Silver/Silver Compounds/Silver Alloys	1000 ppm
Vinyl Chloride Polymer (PVC)	1000 ppm

Thresholds

- A List
 - Regulatory Limit
 - If no regulatory limit exists, then if Known to be present or Intentionally added, disclose actual level
- B List
 - Substances
 - 0.1 % (1000 ppm) (Based on US OSHA Guidelines and European Hazardous Substance Directive) unless otherwise specified.
 - Other Brominated Flame Retardants
 - ISO 1043-4 Code or CAS number