



Xmultiple Technologies, Inc. Ozone Depleting Substances (ODX) - Products & Hazardous Materials Statement

Introduction

Xmultiple is committed to the elimination of hazardous and ozone-depleting substances in the manufacturing of all connector and component products. This includes material substitutions and process we perform in the production of our interconnect products so we achieve full compliance with all environmental directives governing these substances. Hazardous materials and process alternatives is an important concern to our customers and we understand they want Xmultiple to have an ongoing program to assure compliance. We therefore has committed resources to assure we have an ongoing company effort and management involvement in these programs. Compliant is provided with certifications for all products and marking, labeling or other clear means of identification, as necessary.

This document provides disposition regarding the extent to which interconnection products may or may not contain lead (Pb), cadmium (Cd), mercury (Hg), hexavalent chromium (Cr⁺⁶), brominated flame retardants (PBB & PBDE) and various other substances which require compliance. The information disclosed in this statement is of generic scope and intended to encompass all Xmultiple products.

Ozone Depleting Substances

XMULTIPLE PRODUCT products do not contain any ODS', nor are they utilized in any direct manufacturing processes.

Environmental Directive(s) Compliance

The current compliance status in regards to the environmental directives outlined below.

Dangerous Substances Marketing & Use (Octa & Penta-BDE) 2003/11/EC

The 2003/11/EC Directive, amending Council Directive 76/769/EEC, *relating to restrictions on the marketing and use of certain dangerous substances and preparations, (pentabromodiphenyl ether, octabromodiphenyl ether)*, more commonly referred to as the "Penta/Octa-BDE Ban", became effective August 15, 2004. The intent of which is to promote protection of human health and the environment via imposed material restrictions on Pentabromodiphenyl Ether (Penta-BDE) and Octabromodiphenyl Ether (Octa-BDE), by establishing a $\leq 0.1\%$ by mass threshold limit for any product placed on the EU market.



Xmultiple does not produce or ship any products containing known amounts of Penta-BDE or Octa-BDE in concentrations greater than 0.1% by mass and is therefore deemed compliant with the 2003/11/EC Directive.

Montreal Protocol

The Montreal Protocol on Substances that Deplete the Ozone Layer was adopted September 1987 in effort to promote atmospheric ozone layer protection through phase-out and control measures of Ozone Depleting Substances (ODS) as listed in Annexes A – C of the treaty.

Xmultiple does not produce its electrical connectors, utilize any ODS, as listed in Annex A – C, which may come into direct contact with the finished product or its components.

California SB50

Senate Bill 50 prohibits an *electronic device* from being sold or offered for sale in the state of California if it is also prohibited from being sold or offered for sale in the European Union to the extent that Directive 2002/95/EC prohibits the sale due to the presence of certain hazardous substances. The regulations shall become effective January 1, 2007 or on or after the date Directive 2002/95/EC takes effect, whichever is later. A *covered electronic device* includes a video display device with a screen greater than four (4), inches measured diagonally.

XMULTIPLE PRODUCT does not manufacture nor sell, under its brand, video display devices meeting the definition of a *covered electronic device* in SB50, however we are committed to providing compliant products for our customers governed by this initiative.

Specific Substance(s) Information

Following provides a hybrid list of materials & substances per the *JIG Material Composition Declaration Guide* and customer-specific restricted materials requirements.

4-Aminobiphenyl

XMULTIPLE PRODUCT products do not contain 4-Aminobiphenyl.

Aluminum

The vast majority of XMULTIPLE PRODUCT products are made from aluminum alloys.



Amines (Aliphatic)

XMULTIPLE PRODUCT utilizes aliphatic amines in the manufacture of its products, however through various manufacturing processes, they are not believed to be present in the final product in the reportable state.

Amines (Aromatic)

XMULTIPLE PRODUCT utilizes aromatic amines in the manufacture of its products, however through various manufacturing processes, they are not believed to be present in the final product in the reportable state.

Aniline Salts

XMULTIPLE PRODUCT utilizes minute amounts of aniline salts in the manufacture of its products.

Anthracene

XMULTIPLE PRODUCT products do not contain anthracene.

Antimony

Antimony compounds may be used in some flame retardant plastic materials to meet customer non-flammability requirements.

Arsenic

Trace quantities (<100 mg/kg) of Arsenic may be present in commercially available grades of base metals (bronze, copper, brass, etc.).

Asbestos

XMULTIPLE PRODUCT products do not contain asbestos

Azo Dyes

XMULTIPLE PRODUCT products do not contain azo dyes, which through reductive cleavage, may form aliphatic or aromatic amines. Azo dyes which are utilized for pigmentation however, are allowed so without restriction.

Barium

Trace quantities (<100 mg/kg) of Barium may be present in commercially available grades of base metals

Beryllium

Select XMULTIPLE PRODUCT products may contain beryllium copper alloys, however non-alloyed 'free' beryllium is not used in any product lines.



Bismuth

Trace quantities (<100 mg/kg) of Bismuth may be present in commercially available grades of base metals. It is also be a desired constituent in low-temperature solders.

Cadmium

Cadmium plating is used on numerous XMULTIPLE PRODUCT products requiring a high-level of corrosion resistance and electrical conductivity. Cadmium may also be present in trace quantities in electroless nickel plating and as a pigment in polymers.

Chromium

A number of XMULTIPLE PRODUCT products consist of aluminum, stainless steel or copper alloys which may contain chromium metal (Cr⁰).

Hexavalent Chromium (Cr⁺⁶)

Select XMULTIPLE PRODUCT plating finishes may contain Cr⁺⁶. Trace concentrations may also be found as a colorant in polymers.

Cobalt

A select number of XMULTIPLE PRODUCT products may be produced from cobalt-containing beryllium copper alloys. Cobalt may also be found as a colorant in polymers and in zinc-cobalt plated finishes.

Copper

Copper & copper compounds are present in many XMULTIPLE PRODUCT products, including base metals and underplates.

Ethylene Glycol Monoethyl Ether & Its Acetate

XMULTIPLE PRODUCT finished products are not anticipated to contain these materials

Ethylene Glycol Monomethyl Ether & Its Acetate

XMULTIPLE PRODUCT finished products are not anticipated to contain these materials

Gold

Gold is present as a final surface finish in select XMULTIPLE PRODUCT products.

Halogenated Dioxins & Furans

XMULTIPLE PRODUCT products do not contain Halogenated Dioxins or Furans



Iron

XMULTIPLE PRODUCT produces some products containing iron and iron nickel alloys. Additional products may be made from aluminum and steel, both of which contain iron as an alloying and base element.

Lead

XMULTIPLE PRODUCT products which may contain lead or lead compounds include pre-filled solder contacts, leads & assemblies, solder plated or dipped contacts, base metal alloys and PVC jacketed cable

Magnesium

Magnesium & magnesium compounds are present in many XMULTIPLE PRODUCT aluminum base metals.

Mercury

XMULTIPLE PRODUCT does not use mercury or mercury compounds in the manufacture of its products.

Nickel

XMULTIPLE PRODUCT products which may contain nickel or nickel compounds include nickel plated products, palladium-nickel plated products and any surface finish with nickel underplates. In addition, iron-nickel and other base metal alloys may contain trace concentrations as well.

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Palladium

Palladium is used as a "seed" material to initiate the electroless plating process and is found in any plated composites below the actual electroless deposition layer.

Phosphorus

Phosphorus based flame retardants may sometimes be used in the formulation of non-halogenated flame retardants. Certain base metals may also contain phosphorus as an alloying element.

Phthalates

Select XMULTIPLE PRODUCT products may contain phthalates in the compound formulation used for inserts



Polybrominated Biphenyls (PBBs)

XMULTIPLE PRODUCT products do not contain PBBs

Polybrominated DiphenylEthers (PBDEs)

XMULTIPLE PRODUCT products do contain deca-BDEs, but not penta-BDEs or octa-BDEs. A deca-BDE phase-out date of May 2006 has been identified.

Polychlorinated Biphenyls (PCBs)

XMULTIPLE PRODUCT products do not contain PCBs

Polychlorinated Naphthalenes (PCNs)

XMULTIPLE PRODUCT products do not contain PCNs

Radioactive Substances

A very select class of XMULTIPLE PRODUCT connectors may contain trace concentrations of a radioactive gas housed in the connector shell.

Selenium

XMULTIPLE PRODUCT products may contain selenium, which is present in commercially available grades of base metals (copper, brass, bronze, etc.) and some adhesives.

Shortchain Chlorinated Paraffins

XMULTIPLE PRODUCT products do not contain Shortchain Chlorinated Paraffins

Silver

Silver is present as a final surface finish and a component in lead-free solders contained in certain XMULTIPLE PRODUCT products.

Tantalum

XMULTIPLE PRODUCT products may contain tantalum in the base metal alloy.

Tellurium

XMULTIPLE PRODUCT products may contain tellurium in the base metal alloy.

Thallium

XMULTIPLE PRODUCT products may contain thallium in the base metal alloy.



Tributyl Tin (TBT) & Triphenyl Tin (TPT)

XMULTIPLE PRODUCT products do not contain Tributyl or Triphenyl Tin.

Tributyl Tin Oxide (TBTO)

XMULTIPLE PRODUCT products do not contain Tributyl Tin Oxides (TBTOs).

Vinyl Chlorides (PVC)

PVC may be present in cable & cable assemblies for select XMULTIPLE PRODUCT products. However, they are not believed to exist in the monomer state

Zinc

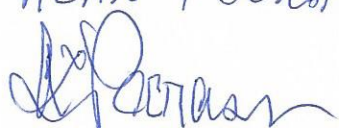
XMULTIPLE PRODUCT products which may contain zinc include, zinc plated products and many base metal alloys.

Product Markings

Compliance of components & assemblies are identified by unique part numbers.

Should you have any questions, comments or concerns regarding this document, please do not hesitate to contact your XMULTIPLE PRODUCT account representative in order to address your issue(s).

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