

Broadcom Inc. Product Material Environmental Specifications

Broadcom's environmental objective is to provide products that are environmentally sound throughout their lifecycles and conduct operations worldwide in an environmentally responsible manner. It is also Broadcom's policy to provide products and services that meet legal requirements and are safe for their intended markets and applications. We control certain materials by placing material limitation on our suppliers for the components and parts we purchase as listed in our General Specifications for the Environment (GSE). We specify that our material suppliers do not intentionally use any of the following material in the manufacture of our product components and parts:

Ozone Depleting Substance (ODS, or Ozone Depleting Compounds, ODC)

- Chlorofluorocarbons (CFC-11, -12, -113, -114, -115)
- Halogenated CFCs (CFC-13, -111, -112, -211 to -217)
- Hydrochlorofluorocarbons (HCFC-21, -22, etc)
- Halons (Halon-1211, -1301, -2402)
- Chlorinated hydrocarbons (Carbon tetrachloride, 1.1.1 trichloroethane)
- Hydrobromofluorocarbons (CHF₂Br, etc)
- Methyl bromide

Persistent Bioaccumulative Toxins

- Polybrominated biphenyl (PBB) and Polybrominated diphenyl ether (PBDE) flame retardants, including **DecaBDE**.
- Polybrominated Biphenyls (PBB) and Polychlorinated Terphenyls (PCT)

Carcinogens

- Asbestos

Other restrictions

Various restrictions are also placed on the use of lead, cadmium, mercury, and hexavalent chromium in our products and packaging material. The restriction limits for these substances are specified in the General Specifications for the Environment (GSE) document. These toxic and bioaccumulative metals may be further restricted or phased out in future products as suitable substitutes with lesser environmental impact, are developed.

Restriction on Hazardous Substance (RoHS) Compliance

Broadcom's products are in compliance with *Directive 2011/65/EU of the European Parliament and of Council of 8 June 2011 and its amendment Directive (EU) 2015/863 of 31 March 2015* on the restriction of the use of certain hazardous substances in electrical and electronics equipment (RoHS Directives). Certain product families classified within the RoHS Directive Annex III of exempted applications are exempted from lead restrictions in the RoHS directive. These products may contain compliant lead in accordance with the exemptions. Custom products may contain RoHS substances in accordance with customer specification.

Please note that if an order includes any non-lead-free products, they may not comply with the RoHS Directive. If non-compliant parts in end products are used and do not have an exemption available, that use could be a potential violation of the RoHS Directive. If Broadcom ships on request such non-compliant products pursuant to respective orders, Broadcom Inc. will not be liable for any RoHS Directive-related costs, damages, fines, fees or other costs of any kind incurred as a result of the incorporation of these products into end products.

For product technical information (e.g. termination finish, product substance content) or product availability and compliance information, you may contact our distributors, or Broadcom Sales & Marketing via RoHS.Enquiry-SPG@broadcom.com.

Broadcom Product Stewardship