

Panasonic Group List of Exempted Items

- 1) Mercury in compact fluorescent lamps not exceeding 5 mg per lamp.
- 2) Mercury in straight fluorescent lamps for general purposes not exceeding:
 - halophosphate 10 mg
 - triphosphate with normal lifetime 5 mg
 - triphosphate with long lifetime 8 mg
- 3) Mercury in straight fluorescent lamps for special purposes.
- 4) Mercury in other lamps not specifically mentioned in this Annex.
- 5) Lead in glass of cathode ray tubes, electronic components and fluorescent tubes.
- 6) Lead as an alloying element in steel containing up to 0.35 % lead by weight, aluminium containing up to 0.4 % lead by weight and as a copper alloy containing up to 4 % lead by weight.
- 7) - Lead in high melting temperature type solders (i.e. tin-lead solder alloys containing more than 85 % lead),
 - lead in solders for servers, storage and storage array systems (exemption granted until 2010),
 - lead in solders for network infrastructure equipment for switching, signalling, transmission as well as network management for telecommunication,
 - lead in electronic ceramic parts (e.g. piezoelectronic devices).
- 8) Cadmium plating except for applications banned under Directive 91/338/EEC (1) amending Directive 76/769/EEC (2) relating to restrictions on the marketing and use of certain dangerous substances and preparations.
- 9) Hexavalent chromium as an anti-corrosion of the carbon steel cooling system in absorption refrigerators.
- 10) Lead in lead-bronze bearing shells and bushes'.
- 11) Lead used in compliant pin connector systems.
- 12) Lead as a coating materials for the thermal conduction module-c-ring.
- 13) Lead and cadmium in optical filter glass.
- 14) Lead in solders consisting of more than two elements for the connection between the pins and the package of microprocessors with a lead content of more than 80% and less than 85% by weight.
- 15) Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit Flip Chip packages.