



Material Declaration Data Sheet

Model: **Product Server S5520HC, S5520SC Families**

Manufacturer: Intel Corporation

Note: This declaration applies to all associated product codes noted on Page 2

Lead Free (Pb) Product: **Yes**

Date: April 7, 2009

Restriction on Hazardous Substances (RoHS) Compliance

RoHS Definition

- Quantity limit of 0.1% by mass (1000PPM) for: Lead (Pb), Mercury, Hexavalent Chromium, Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE)
- Quantity limit of 0.01% by mass (100 PPM) for: Cadmium

Intel understands RoHS requires: Lead and other materials banned in the RoHS Directive are either (1) below all applicable substance thresholds as proposed by the EU or (2) an approved/pending exemption applies. (Note: RoHS implementing details are not fully defined and may change.)

RoHS Declaration

- 1** Lead in glass of cathode ray tubes, electronic components and fluorescent tubes.
- 2** Lead as an alloying element in steel containing up to 0.35 % lead by weight.
- 3** Lead as an alloying element in aluminum containing up to 0.4 % lead by weight.
- 4** Lead as an alloying element in copper containing up to 4 % lead by weight.
- 5** Lead in high melting temperature type solders (i.e. lead based alloys containing 85 % by weight or more lead)
- 6** Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signaling, transmission as well as network management for telecommunications.
- 7** Lead in electronic ceramic parts (e.g. piezoelectronic devices).
- 8** Lead used in compliant pin connector systems.
- 9** Lead as a coating material for the thermal conduction module c-ring.
- 10** Lead in optical and filter glass.
- 11** Lead in solders consisting of more than two parts 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.
- 12** Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit Flip Chip packages.
- 13** Cadmium in optical and filter glass.
- 14** Cadmium and its compounds in electrical contacts and cadmium plating except for applications banned under Directive 91/338/EEC (*) amending Directive 76/769/EEC (**) relating to restrictions on the marketing and use of certain dangerous substances and preparations.
- 15** Lead in bronze bearing shells and brushes.
- 16** Lead in printing inks for application of enamels on borosilicate glass
- 17** Cadmium in printing inks for application of enamels on borosilicate glass
- 18** Lead in Finishes of fine pitch components other than connectors with a pitch of 0.65 mm or less with NiFe lead frames and and lead in finishes of fine pitch components other than connectors with a pitch of 0.65 mm or less with copper lead frames
- 19** Lead in solders for the soldering to machined through hole discoidal and planar array ceramic capacitors
- 20** Lead oxide in plasma display panels (PDP) and surface conduction electron emitter displays (SED) used in structural elements: notably in the front and rear glass dielectric layer, the bus electrode, the black stripe, the address electrode, the barrier ribs, the seal frit, and frit ring as well as in print pastes.
- 21** Other

Where the product is declared to meet RoHS requirements, it has been verified to be in conformance with 2002/95/EC as we currently understand the requirements. Intel has systems in place to verify conformance with all applicable environmental requirements and to the best of our knowledge the information is true and correct.

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Product Code Information



Product Code	Description	*RoHS Exemption #
S5520HC	Performance Pedestal Board Single-Pack	Compliant with no exemptions
BB5520HC	Performance Pedestal Board OEM Bulk-Pack	Compliant with no exemptions
BB5520SC	Workstation Board OEM Bulk-Pack	Compliant with no exemptions
S5520SC	Workstation Board Single-Pack	Compliant with no exemptions
FXX4DRV3GRBRD	4 Drive Backplane Spare	Compliant with no exemptions
FXX6DRV3GRBRD	6 Drive Backplane Spare	Compliant with no exemptions
AXXTIO	Performance Pedestal IO Shield	Compliant with no exemptions
ASCIO	Workstation IO Shield	Compliant with no exemptions
AXX4SASMOD	SAS Module Accessory	Compliant with no exemptions

* RoHS Exemption # corresponds with exemption #'s found on page 1.