



Material Declaration Datasheet Restriction on Hazardous Substances (RoHS) Compliance

Manufacturer: Intel Corporation
Equipment type: desktop board
Model designation: SE7230NH1

Date: 12 June 2006
Product weight: 726.2 grams
Lead-free product: Lead-free Second Level Interconnects (SLI) only

RoHS Definitions:

Quantity limit of 0.1% by mass (1000 ppm) for; Lead (Pb); Mercury; Hexavalent Chromium; Polybrominated Biphenyls (PBB); Polybrominated Diphenyl Ethers (PBDE). Quantity limit of 0.010% by mass (100 ppm) for Cadmium.

Intel understands RoHS compliance requires Lead and other materials banned in RoHS Directive are either (1) below all applicable substance thresholds as proposed by the EU, or (2) an approved or pending exemption applies. Note, RoHS implementation details are subject to change.

RoHS Declaration:

This product is RoHS directive compliant but does contain Lead, a RoHS restricted substance per the definitions above. This product uses the following applicable RoHS technology exemptions:

- Lead in glass of electronic components
- Lead in electronic ceramic parts (e.g. piezoelectronic devices)
- Lead as an alloying element in aluminum containing up to 0.4% lead by weight
- Lead in high melting temperature type solders (i.e. lead based alloys containing 85 % by weight or more lead)
- Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit Flip Chip packages

This product has been verified to be in conformance with EU directive 2002/95/EC as currently understood. To the best of our knowledge the information contained in this declaration is true and correct.

Level A Materials and Substances:

Materials from Annex A of the EIA/EICTA/JGPSSI Material Composition Declaration Guide and listed below are not contained in this product in quantities above the threshold level for these materials, nor intentionally added to this product.

Asbestos	Mercury/Mercury compounds	Polychlorinated Naphthalenes
Azo colorants	Ozone Depleting Substances	Radioactive substances
Cadmium/Cadmium compounds	Polybrominated Biphenyls (PBBs)	Shortchain Chlorinated Paraffins
Hexavalent Chromium	Polybrominated Diphenylethers (PBDEs)	Tributyl Tin (TBT) and Triphenyl Tin (TPT)
Hexavalent Chromium compounds	Polychlorinated Biphenyls (PCBs)	Tributyl Tin Oxide (TBTO)

This product does contain Lead or Lead compounds in discreet component parts above the homogenous material threshold level of 1000 ppm per the RoHS exemptions above. In the aggregate, the Lead concentration for this product is 535 ppm.

Level B Materials and Substances:

This product does contain materials listed in Annex B of the EIA/EICTA/JGPSSI Material Composition Declaration Guide above the threshold level of 1000 ppm as listed below.

<u>Material / Substance</u>	<u>Description of Use</u>	<u>Location in Product</u>	<u>Material Concentration</u>
Antimony/Antimony compounds	flame retardant	board substrate	4,740 ppm
Brominated flame retardants	flame retardant	board substrate	33,600 ppm
Nickel/Nickel compounds	plating	component plating	6,840 ppm

COMMENTS

1. The data reported for Level A and B materials and substances are based on analytical testing of a representative sample product. Individual test results may vary due to differences in production and/or sensitivities of analytical testing methods. Data shown reflect analytical testing intended to validate Intel's RoHS compliance systems. Intel's certification of RoHS compliance at the homogenous material level is based on Supplier Declarations of Conformance.
2. This declaration is based on the product specified, with all product skus of this product eligible to be covered by this declaration.
3. Material concentration data in parts per million (ppm) is representative of all product skus within the product family.
4. Material mass can be estimated by multiplying concentration (in ppm) by product weight.
5. The remainder of this product consists of non-reportable metals (i.e., copper, iron, tin), epoxy resin and other non-metal materials.

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