

Product environmental attributes - THE ECO DECLARATION

The declaration may be published only when all rows and/or fields marked with an * are filled-in (n.a. for not applicable).

Additional information regarding each item may be found under P14.

| Brand * | Lenovo | | | |
|------------------------|--|---------|--|--|
| Company name * | Lenovo | | | |
| Contact information * | Lenovo Global Environmental Affairs Alvin L Carter 1009 Think Place Building 2 / 5J3 Morrisville, North Carolina 27560 alcarter@lenovo.com | lenovo. | | |
| Internet site * | ttp://www.lenovo.com/social_responsibility/us/en/environment.html | | | |
| Additional information | | | | |

| The company declares (based on product specification or test results based obtained from sample testing), that the product conforms to the statements given in this declaration. | | | | | | |
|--|--|--|--|--|--|--|
| Type of product * | Notebook PC | | | | | |
| Commercial name * | Lenovo IdeaPad S410p | | | | | |
| Model number * | 20296;80BK | | | | | |
| Issue date * | 2013-07-22 | | | | | |
| Intended market * | ☐ Global ☐ Europe ☐ Asia, Pacific & Japan ☐ Americas ☐ Other | | | | | |
| Additional information | | | | | | |

This is an uncontrolled copy when in printed form. Please refer to the contact information for the latest version.

| Quality | Quality Control Re | | | | |
|---------|--|-------------|----|--|--|
| Item | | Yes | No | | |
| QC1 * | The company enforces an internal quality control scheme to ensure the correctness of this eco declaration | \boxtimes | | | |
| QC2 * | The company is a member of an eco declaration system that enforces regular independent quality control such as organized by IT-Företagen (see www.itecodeclaration.org). | ol 🔀 | | | |

| Model number * | Lenovo IdeaPad S410p | | |
|----------------|----------------------|------|---------|
| Issue date * | 2013-07-22 | Logo | lenovo. |

| Product | oduct environmental attributes - Legal requirements | | | | | |
|----------------|---|-------------|--------|-------------------------|--|--|
| Item | | Yes | No | n.a. | | |
| P1 | Hazardous substances and preparations | | | | | |
| P1.1* | Products do not contain more than; 0.1% lead, 0.01% cadmium, 0.1% mercury, 0.1% hexavalent chromium, 0.1% polybrominated biphenyls (PBB) or 0.1% polybrominated diphenyl ethers (PBDE). (See legal reference and Note B1) | | | | | |
| P1.2* | Products do not contain Asbestos (see legal reference). Comment: Legal reference has no maximum concentration value. | | | | | |
| P1.3* | Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachloride, 1,1,1-trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum concentration values. | | | | | |
| P1.4* | Products do not contain more than; 0.005% polychlorinated biphenyl (PCB), 0.005% polychlorinated terphenyl (PCT) in preparations (see legal reference). | | | | | |
| P1.5* | Products do not contain more than 0.1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine in the SCCP (see legal reference). | | | | | |
| P1.6* | Textile and leather parts with direct skin contact do not contain Tri-(2,3,-dibromopropyl)-phosphate (TRIS), Tris-(aziridinyl)-phosphineoxide (TEPA), polybrominated biphenyl (PBB) (see legal reference). Comment: Legal reference has no maximum concentration values. | | | | | |
| P1.7* | Textile and leather parts with direct skin contact do not contain more than 0.003% Azo colorants that split aromatic amines. (See legal reference and Note B1) | | | \boxtimes | | |
| P1.8* | Wooden parts do not contain arsenic and chromium as a wood preservation treatment as well as pentachlorophenol and derivatives (see legal reference). Comment: Legal reference has no maximum concentration values. | | | | | |
| P1.9* | Parts with direct and prolonged skin contact do not release nickel in concentrations above 0.5 microgram/cm²/week (see legal reference). Comment: Max limit in legal reference when tested according to EN1811:1998. | | | | | |
| P1.10* | REACH Article 33 information about substances in articles is available at (add URL or mail contact): http://www.lenovo.com/social_responsibility/us/en/ThinkGreen_products.html#environment | | | | | |
| P2 | Batteries | | | | | |
| P2.1* | If the product contains a battery or an accumulator, it is labeled with the disposal symbol and if it contains more than 0.0005% of mercury (for button cells only) by weight, or more than 0.004% of lead, it shall be marked with the chemical symbol for the metal concerned, Hg or Pb. Information on proper disposal is provided in user manual. (See legal reference) | | | | | |
| P2.2* | Button cells used in the product do not contain more than 2% by weight of mercury. Other batteries or accumulators do not contain more than 0.0005% of mercury or 0.002% of cadmium. (See legal reference) | | | | | |
| P2.3* | Batteries and accumulators are easily removable by either users or service providers (as dependent on the design of the product). Exception: Batteries that are permanently installed for safety, performance, medical or data integrity reasons do not have to be "easily removable". (See legal reference) | | | | | |
| P3 | Safety, EMC connection to the telephone network and labeling | | | | | |
| P3.1* | The product complies with legally required safety standards as specified (see legal reference). | X | | | | |
| P3.2* | The product complies with legally required standards for electromagnetic compatibility (see legal reference). | | | | | |
| P3.3* | If product is intended for connection to a public telecom network or contains a radio transmitter, it complies with legally required standards for radio and telecommunication devices (see legal reference). | | | | | |
| P3.4* | The product is labeled to show conformance with applicable legal requirements (see legal reference). | \boxtimes | П | | | |
| P4 | Consumable materials | | | | | |
| P4.1* | If a photo conductor (drum, belt etc.) is used in the product, it does not contain cadmium max 0.01% (see legal reference and Note B1). | | | | | |
| P4.2* | If ink/toner is used in the product, it does not contain cadmium max 0.1% by weight (see legal reference). | | \Box | $\overline{\mathbf{X}}$ | | |
| P4.3* | If the ink/toner formulation/preparation is classified as hazardous according to applicable regulations, the product/packaging is adequately labeled and a Safety Data Sheet (SDS) in accordance with these requirements is available (see legal reference). | | | | | |
| P5 | Product packaging | | | | | |
| P5.1* | Packaging and packaging components do not contain more than 0.01% lead, mercury, cadmium an hexavalent chromium by weight of these together. | d 🔀 | | | | |
| P5.2* | Plastic packaging material is marked according to ISO 11469 referring ISO 1043 (see legal reference). | \boxtimes | | | | |
| P5.3* | The product packaging material is free from ozone depleting substances as specified in the Montrea Protocol (see legal reference). Comment: Legal reference has no maximum concentration values. | al 🔀 | | | | |

Note B1: Restriction applies to the homogeneous material, unless other specified and expressed in weight %.

| Model number * | Lenovo IdeaPad S410p | | |
|----------------|----------------------|------|--------|
| Issue date * | 2013-07-22 | Logo | lenovo |

| **mandatory to fill in. Additional information regarding each item may be found under P14. | Product | oduct environmental attributes - Market requirements - Environmental conscious design | | | |
|--|---------------|--|-------------------|------------------------|-------------------|
| Information for recyclers/inseatment facilities is available (see legal reference). | | | | | |
| Disassembly, recycling P7.11 Parts that have to be treated separately are easily separable P7.22 Plastic materials in covers/housing have no surface coating. | | Treatment information | | | |
| Disassembly, recycling | P6.1* | Information for recyclers/treatment facilities is available (see legal reference). | | | |
| P7.1* Parts that have to be treated separately are easily separable P7.2* Plastic materials in covers/housing have no surface costing. P7.3* Plastic parts >100g consist of one material or of easily separable materials. P7.4* Plastic parts >25g have material codes according to ISO 11469 referring ISO 1043. P7.5* Plastic parts >25g have material codes according to ISO 11469 referring ISO 1043. P7.6* Labels are easily separable. (This requirement does not apply to safety/regulatory labels). P7.7* Upgrading can be done e.g. with processor, memory, cards or drives P7.7* Upgrading can be done e.g. with processor, memory, cards or drives P7.9* Upgrading can be done e.g. with processor, memory, cards or drives P7.9* Upgrading can be done using commonly available tools P7.9* Service is available after end of production for: 5 years P7.10* Service is available after end of production for: 5 years P7.11* Product cover/housing material type: P7.12* Electrical cable insulation materials of power cables are PVC free. P7.13* Electrical cable insulation materials of power cables are PVC free P7.14* All cover/housing plastic parts >25g are free from chorine and bromine. P7.15* All printed circuit boards (without components) >25g are halogen free. as defined in IEC61249-2-21. (See X Image: P7.14* All printed circuit boards (without components) >25g are halogen free. as defined in IEC61249-2-21. (See X Image: P7.14* All printed circuit boards (without components): P7.16* Flame retarded plastic parts >25g in covers / housings are marked according ISO 1043-4: P7.17* All 2* Chemical specifications of flame retardants in printed circuit boards (without components): P7.18* Table All 2* Chemical specifications of flame retardants in printed circuit boards (without components): P7.19* Chemical aname: P7.10* Chemical aname: P7 | P7 | | | | |
| P7.3* Plastic materials in covers/housing have no surface coating. P7.3* Plastic parts >25g have material or of easily separable materials. P7.4* Plastic parts >25g have material codes according to ISO 11469 referring ISO 1043. P7.5* Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools. P7.6* Labels are easily separable. (This requirement does not apply to safety/regulatory labels). P7.6* Upgrading can be done e.g. with processor, memory, cards or drives P7.7* Upgrading can be done using commonly available tools P7.9* Upgrading can be done using commonly available tools P7.9* Spare parts are available after end of production for: 5 years P7.10* Service is available after end of production for: 5 years Material and substance requirements P7.11* Product cover/housing material type: Material and substance requirements P7.12* Electrical cable insulation materials of power cables are PVC free. Material type: PC-44BS-FR/40 Material type: Material type: PC-44BS-FR/40 Material type: Material dype: PC-44BS-FR/40 Material type: Material dype: PC-45BS-FR/40 Material type: PC-45BS-FR/40 Material type: PC-45BS-FR/40 Material type: PC-45BS-FR/40 Material type: P | ·· | | | | |
| P7.3° Plastic parts >100g consist of one material or of easily separable materials. P7.4° Plastic parts >25g have material codes according to ISO 11469 referring ISO 1043. P7.5° Plastic parts >25g have material codes according to ISO 11469 referring ISO 1043. P7.6° Labels are easily separable. (This requirement does not apply to safety/regulatory labels). P7.6° Labels are easily separable. (This requirement does not apply to safety/regulatory labels). P7.7° Upgrading can be done e.g. with processor, memory, cards or drives P7.8° Upgrading can be done using commonly available tools P7.9° Spare parts are available after end of production for: 5 years P7.9° Spare parts are available after end of production for: 5 years Material and substance requirements P7.11° Product cover/housing material type: Material and substance requirements P7.12° Electrical cable insulation materials of power cables are PVC free. P7.13° Electrical cable insulation materials of power cables are PVC free. P7.14° Ploretic cardial insulation materials of signal cables are PVC free. P7.15° All printed circuit boards (without components) >25g are halogen free. as defined in IEC61249-2-21. (See Note B2) P7.16° All cover/housing plastic parts >25g in covers / housings are marked according ISO 1043-4: Warking: FR(40) Warking: FR(40) P7.17° Alt. 1 Chemical specifications of flame retardants in printed circuit boards (without components): TBBPA (additive) TBBPA (reactive) Other; chemical name: , CAS #: Alt. 2 Chemical specifications of flame retardants in printed circuit boards (without components) >25g according ISO 1043-4: P7.18° Alt. 1 Flame retarded plastic parts >25g contain the following flame retardant substances/preparations in concentrations above 0.1%: Comment: No legal limits exist, this is a market requirement. Provide a list of all used flame retardants in printed circuit boards (without components) >25g according ISO 1043-4: P7.19° Plastic parts >25g are free from flame retardants in printed circui | | | \boxtimes | | |
| P7.4* Plastic parts >25g have material codes according to ISO 11469 referring ISO 1043. P7.5 Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools. P7.6* Labels are easily separable. (This requirement does not apply to safety/regulatory labels). Product lifetime P7.7* Upgrading can be done e.g. with processor, memory, cards or drives P7.8* Upgrading can be done using commonly available tools P7.9* Spare parts are available after end of production for: 5 years Material and substance requirements P7.11* Product cover/housing material type: Material and substance requirements P7.12* Electrical cable insulation materials of power cables are PVC free. P7.13 Electrical cable insulation materials of year and a promine. P7.14 All cover/housing plastic parts >25g are free from chlorine and bromine. P7.15 All printed circuit boards (without components) >25g are halogen free. as defined in IEC61249-2-21. (See Note 82) P7.16 Flame retarded plastic parts >25g in covers / housings are marked according ISO 1043-4: Marking: FR(40) P7.17 Alt. 1 Chemical specifications of flame retardants in printed circuit boards (without components): Baber (additive) FBPA (reactive) Only. Other; chemical name: , CAS #: Alt. 2 Chemical specifications of flame retardants in printed circuit boards (without components): Baber (additive) FBPA (reactive) Only. Other; chemical name: , CAS #: Alt. 1 Flame retarded plastic parts >25g contain the following flame retardant substances/preparations in concentrations above 0.1%: Comment: No legal limits exist, this is a market requirement. Provide a list of all used flame retardants in printed circuit boards (without components) >25g according ISO 1043-4: Brominated Epoxy Resin See P14 P7.19 Plastic parts >25g are free from flame retardants including MSDS for each flame retardant. The list must contain complete chemical name: , CAS #: , Supplier: | P7.2* | Plastic materials in covers/housing have no surface coating. | | | |
| P7.6 Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools. P7.6 Labels are easily separable. (This requirement does not apply to safety/regulatory labels). P7.7 Upgrading can be done e.g. with processor, memory, cards or drives P7.8 Upgrading can be done e.g. with processor, memory, cards or drives P7.9 Spare parts are available after end of production for: 5 years P7.10 Service is available after end of production for: 5 years Material and substance requirements P7.11 Product cover/housing material type: Material specification materials of power cables are PVC free. P7.12 Electrical cable insulation materials of power cables are PVC free P7.13 Electrical cable insulation materials of signal cables are PVC free P7.14 All cover/housing plastic parts >25g are free from chlorine and bromine. P7.15 All printed circuit boards (without components) >25g are halogen free, as defined in IEC61249-2-21. (See Note B2) P7.16 Flame retarded plastic parts >25g in covers / housings are marked according ISO 1043-4: Marking: FR40) P7.17 Alt. 1 Chemical specifications of flame retardants in printed circuit boards >25g (without components): TBBPA (additive) , TBBPA (reactive) , Other; chemical name: , CAS #: Alt. 2 Chemical specifications of flame retardants in printed circuit boards (without components) >25g according ISO 1043-4: Alt. 1 Flame retarded plastic parts >25g contain the following flame retardant substances/preparations in concentrations above 0.1%: Comment: No legal limits exist, this is a market requirement. Provide a list of all used flame retardants in plastic parts >25g according ISO 1043-4: Chemical name: , CAS #: , Supplier: 3. Chemical name: , CAS #: , Supplier: 4. Chemical name: , CAS #: , Supplier: 3. Chemical name: , CAS #: , Supplier: 4. Chemical name: , CAS #: , Supplier: 4. Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4: P7.19 Plastic parts >25g are free from flame retardant substanc | P7.3* | Plastic parts >100g consist of one material or of easily separable materials. | \boxtimes | | |
| P7.6* Labels are easily separable. (This requirement does not apply to safety/regulatory labels). Product lifetime P7.7* Upgrading can be done e.g. with processor, memory, cards or drives P7.9 Upgrading can be done using commonly available tools P7.9. Spare parts are available after end of production for: 5 years P7.10 Service is available after end of production for: 5 years Material and substance requirements P7.11* Product cover/housing material type: P7.12* Electrical cable insulation materials of signal cables are PVC free. P7.13 Electrical cable insulation materials of signal cables are PVC free. P7.14 All cover/housing plastic parts >25g are free from chlorine and bromine. P7.15 Note B2) P7.16 All printed circuit boards (without components) >25g are halogen free. as defined in IEC61249-2-21. (See Note B2) P7.16 Flame retarded plastic parts >25g in covers / housings are marked according ISO 1043-4: Marking: FR(40) P7.17 All: 1 Chemical specifications of flame retardants in printed circuit boards (without components): TBBPA (additive) | P7.4* | Plastic parts >25g have material codes according to ISO 11469 referring ISO 1043. | \boxtimes | | |
| Pr.7* Upgrading can be done e.g. with processor, memory, cards or drives | P7.5 | Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools. | | | |
| P7.7: Upgrading can be done e.g. with processor, memory, cards or drives □ 1 P7.8: Upgrading can be done using commonly available tools □ 1 P7.9: Spare parts are available after end of production for: 5 years ■ 1 P7.10 Service is available after end of production for: 5 years ■ 1 P7.11 Porduct cover/housing material type: Material and substance requirements P7.11 Product cover/housing material type: Material type: PC+ABS-FR(40) P7.12 Electrical cable insulation materials of signal cables are PVC free. P7.13 Electrical cable insulation materials of signal cables are PVC free P7.14 All cover/housing plastic parts >25g are free from chlorine and bromine. P7.15 All printed circuit boards (without components) >25g are halogen free. as defined in IEC61249-2-21. (See □ □ □ Note B2) P7.16 Harme retarded plastic parts >25g in covers / housings are marked according ISO 1043-4: □ □ Note B2) P7.17 Alt. 1 Chemical specifications of flame retardants in printed circuit boards (without components): □ □ □ □ Note B2 P7.18 Alt. 2 Chemical specifications of flame retardants in printed circuit boards (without components): □ □ □ Note B2 P7.18 Alt. 1 Chemical specifications of flame retardants in printed circuit boards (without components): □ □ □ Note B2 P7.18 Alt. 1 Chemical specifications of flame retardants in printed circuit boards (without components) >25g according □ □ Note B2 P7.18 Alt. 1 Chemical specifications of flame retardants in printed circuit boards (without components) >25g according □ □ □ Note B2 P7.19 Plastic parts >25g contain the following flame retardant substances/preparations in concentrations above 0.1%: Comment. No legal limits exist, this is a market requirement. Provide a list of all used flame retardants including MSDS for each flame retardant. The list must contain complete chemical name: , CAS #: , Supplier: | P7.6* | Labels are easily separable. (This requirement does not apply to safety/regulatory labels). | | | |
| P7.8' Upgrading can be done using commonly available tools | | Product lifetime | | | |
| P7.9. Spare parts are available after end of production for: 5 years P7.10 Service is available after end of production for: 5 years | P7.7* | Upgrading can be done e.g. with processor, memory, cards or drives | | | |
| P7.9. Spare parts are available after end of production for: 5 years P7.10 Service is available after end of production for: 5 years P7.11* Product cover/housing material type: | P7.8* | Upgrading can be done using commonly available tools | | $\overline{\sqcap}$ | П |
| P7.10 Service is available after end of production for: 5 years Material and substance requirements | P7.9. | Spare parts are available after end of production for: 5 years | | | $\overline{\Box}$ |
| Material and substance requirements | P7.10 | | _ | | Ħ |
| P7.11 Product cover/housing material type: Material type: P6-ABS-FR(40) Material type: P7-BE-BS-FR(40) Material type: P7-BE-BS-BS-BS-BS-BS-BS-BS-BS-BS-BS-BS-BS-BS- | | , , | | | |
| Material type: PC+ABS-FR(40) Material type: Material type: P7.12 Electrical cable insulation materials of power cables are PVC free | P7.11* | | | | |
| P7.12 Electrical cable insulation materials of power cables are PVC free. P7.13 Electrical cable insulation materials of signal cables are PVC free P7.14 All cover/housing plastic parts >25g are free from chlorine and bromine. P7.15 All printed circuit boards (without components) >25g are halogen free. as defined in IEC61249-2-21. (See Note B2) P7.16 Flame retarded plastic parts >25g in covers / housings are marked according ISO 1043-4: Marking: FR(40) P7.17 Alt. 1 Chemical specifications of flame retardants in printed circuit boards >25g (without components): TBBPA (additive) | | | | | |
| P7.14 All cover/housing plastic parts >25g are free from chlorine and bromine. P7.15 All printed circuit boards (without components) >25g are halogen free. as defined in IEC61249-2-21. (See Note B2) P7.16 Flame retarded plastic parts >25g in covers / housings are marked according ISO 1043-4: Flame retarded plastic parts >25g in covers / housings are marked according ISO 1043-4: Marking: FR(40) P7.17 Alt. 1 | P7.12 | | | \boxtimes | |
| P7.15 All printed circuit boards (without components) >25g are halogen free. as defined in IEC61249-2-21. (See Note B2) P7.16 Flame retarded plastic parts >25g in covers / housings are marked according ISO 1043-4: | P7.13 | Electrical cable insulation materials of signal cables are PVC free | $\overline{\Box}$ | $\overline{\boxtimes}$ | $\overline{\Box}$ |
| P7.15 All printed circuit boards (without components) >25g are halogen free. as defined in IEC61249-2-21. (See Note B2) P7.16 Flame retarded plastic parts >25g in covers / housings are marked according ISO 1043-4: | P7.14 | All cover/housing plastic parts >25g are free from chlorine and bromine. | | Ħ | Ī |
| P7.16 Flame retarded plastic parts >25g in covers / housings are marked according ISO 1043-4: | P7.15 | | , | | Ħ |
| Marking: FR(40) P7.17 Alt. 1 Chemical specifications of flame retardants in printed circuit boards >25g (without components): TBBPA (additive) | | | | | ш |
| P7.17 Alt. 1 Chemical specifications of flame retardants in printed circuit boards >25g (without components): TBBPA (additive) ☐, TBBPA (reactive) ☒, Other; chemical name: , CAS #: Alt. 2 Chemical specifications of flame retardants in printed circuit boards (without components) >25g according ISO 1043-4: **Brominated Epoxy Resin See P14* P7.18 Alt. 1 Flame retarded plastic parts >25g contain the following flame retardant substances/preparations in concentrations above 0.1%: Comment: No legal limits exist, this is a market requirement. Provide a list of all used flame retardants including MSDS for each flame retardant. The list must contain complete chemical name. , CAS #: , Supplier: 1. Chemical name: , CAS #: , Supplier: 2. Chemical name: , CAS #: , Supplier: 3. Chemical name: , CAS #: , Supplier: Alt. 2 Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4: FR(40) P7.19 Plastic parts >25g are free from flame retardant substances/ preparations above 0.1% classified as R45, R40, R46, R48, R50, R51, R53, R60, R61 and any combination of these (See Note B3) P7.20 Of total plastic parts' weight >25g, recycled material content is 4.0%. P7.21 Ight sources are free from mercury ☐ P8 Batteries Battery chemical composition: Lithium lon/Lithium Manganese Dioxide ☐ | P7.16 | | \boxtimes | | |
| Chemical specifications of flame retardants in printed circuit boards >25g (without components): TBBPA (additive) | D7.47 | | | | |
| TBBPA (additive) , TBBPA (reactive) , Other; chemical name: , CAS #: Alt. 2 Chemical specifications of flame retardants in printed circuit boards (without components) >25g according ISO 1043-4: **Brominated Epoxy Resin See P14** P7.18 Alt. 1 Flame retarded plastic parts >25g contain the following flame retardant substances/preparations in concentrations above 0.1%: Comment: No legal limits exist, this is a market requirement. Provide a list of all used flame retardants including MSDS for each flame retardant. The list must contain complete chemical name, CAS number and supplier. 1. Chemical name: , CAS #: , Supplier: 2. Chemical name: , CAS #: , Supplier: 3. Chemical name: , CAS #: , Supplier: Alt. 2 Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4: FR(40) P7.19 Plastic parts >25g are free from flame retardant substances/ preparations above 0.1% classified as R45, R40, R46, R48, R50, R51, R53, R60, R61 and any combination of these (See Note B3) P7.20 Of total plastic parts' weight >25g, recycled material content is 4.0%. P7.21 Of total plastic parts' weight >25g, recycled material content is 0%. P7.22 Light sources are free from mercury P8 Batteries Battery chemical composition: Lithium lon/Lithium Manganese Dioxide | P7.17 | | | | |
| Alt. 2 Chemical specifications of flame retardants in printed circuit boards (without components) >25g according ISO 1043-4: Brominated Epoxy Resin See P14 P7.18 Alt. 1 Flame retarded plastic parts >25g contain the following flame retardant substances/preparations in concentrations above 0.1%: Comment: No legal limits exist, this is a market requirement. Provide a list of all used flame retardants including MSDS for each flame retardant. The list must contain complete chemical name. CAS number and supplier. 1. Chemical name: , CAS #: , Supplier: 2. Chemical name: , CAS #: , Supplier: 3. Chemical name: , CAS #: , Supplier: Alt. 2 Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4: FR(40) P7.19 Plastic parts >25g are free from flame retardant substances/ preparations above 0.1% classified as R45, R40, R46, R48, R50, R51, R53, R60, R61 and any combination of these (See Note B3) P7.20 Of total plastic parts' weight >25g, recycled material content is 4.0%. P7.21 Dight sources are free from mercury P8 Batteries Battery chemical composition: Lithium lon/Lithium Manganese Dioxide | | | ш | ш | Ш |
| Chemical specifications of flame retardants in printed circuit boards (without components) >25g according ISO 1043-4: *Brominated Epoxy Resin See P14* P7.18 Alt. 1 Flame retarded plastic parts >25g contain the following flame retardant substances/preparations in concentrations above 0.1%: Comment: No legal limits exist, this is a market requirement. Provide a list of all used flame retardants including MSDS for each flame retardant. The list must contain complete chemical name, CAS number and supplier. 1. Chemical name: , CAS #: , Supplier: 2. Chemical name: , CAS #: , Supplier: 3. Chemical name: , CAS #: , Supplier: Alt. 2 Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4: FR(40) P7.19 Plastic parts >25g are free from flame retardant substances/ preparations above 0.1% classified as R45, R40, R46, R48, R50, R51, R53, R60, R61 and any combination of these (See Note B3) P7.20 Of total plastic parts' weight >25g, recycled material content is 4.0%. P7.21 Of total plastic parts' weight >25g, biobased material content is 0%. P7.22 Light sources are free from mercury \(\) \(| | , one in | | | |
| P7.18 Alt. 1 Flame retarded plastic parts >25g contain the following flame retardant substances/preparations in concentrations above 0.1%: Comment: No legal limits exist, this is a market requirement. Provide a list of all used flame retardants including MSDS for each flame retardant. The list must contain complete chemical name, CAS number and supplier. 1. Chemical name: , CAS #: , Supplier: 2. Chemical name: , CAS #: , Supplier: 3. Chemical name: , CAS #: , Supplier: Alt. 2 Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4: FR(40) P7.19 Plastic parts >25g are free from flame retardant substances/ preparations above 0.1% classified as R45, R40, R46, R48, R50, R51, R53, R60, R61 and any combination of these (See Note B3) P7.20 Of total plastic parts' weight >25g, recycled material content is 4.0%. P7.21 Light sources are free from mercury P8 Batteries P8.1* Battery chemical composition: Lithium Ion/Lithium Manganese Dioxide | | | | | |
| P7.18 Alt. 1 Flame retarded plastic parts >25g contain the following flame retardant substances/preparations in concentrations above 0.1%: Comment: No legal limits exist, this is a market requirement. Provide a list of all used flame retardants including MSDS for each flame retardant. The list must contain complete chemical name, CAS number and supplier. 1. Chemical name: , CAS #: , Supplier: 2. Chemical name: , CAS #: , Supplier: 3. Chemical name: , CAS #: , Supplier: Alt. 2 Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4: FR(40) P7.19 Plastic parts >25g are free from flame retardant substances/ preparations above 0.1% classified as R45, R40, R46, R48, R50, R51, R53, R60, R61 and any combination of these (See Note B3) P7.20 Of total plastic parts' weight >25g, recycled material content is 4.0%. P7.21 Of total plastic parts' weight >25g, biobased material content is 0%. P7.22 Light sources are free from mercury | | | | Ш | |
| Flame retarded plastic parts >25g contain the following flame retardant substances/preparations in concentrations above 0.1%: Comment: No legal limits exist, this is a market requirement. Provide a list of all used flame retardants including MSDS for each flame retardant. The list must contain complete chemical name, CAS number and supplier. 1. Chemical name: , CAS #: , Supplier: 2. Chemical name: , CAS #: , Supplier: 3. Chemical name: , CAS #: , Supplier: Alt. 2 | D7.40 | | | | |
| concentrations above 0.1%: Comment: No legal limits exist, this is a market requirement. Provide a list of all used flame retardants including MSDS for each flame retardant. The list must contain complete chemical name, CAS number and supplier. 1. Chemical name: , CAS #: , Supplier: 2. Chemical name: , CAS #: , Supplier: 3. Chemical name: , CAS #: , Supplier: Alt. 2 Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4: FR(40) P7.19 Plastic parts >25g are free from flame retardant substances/ preparations above 0.1% classified as R45, R40, R46, R48, R50, R51, R53, R60, R61 and any combination of these (See Note B3) P7.20 Of total plastic parts' weight >25g, recycled material content is 4.0%. P7.21 Of total plastic parts' weight >25g, biobased material content is 0%. P7.22 Light sources are free from mercury P8 Batteries Battery chemical composition: Lithium Ion/Lithium Manganese Dioxide | P7.18 | | | | |
| Provide a list of all used flame retardants including MSDS for each flame retardant. The list must contain complete chemical name, CAS number and supplier. 1. Chemical name: , CAS #: , Supplier: 2. Chemical name: , CAS #: , Supplier: 3. Chemical name: , CAS #: , Supplier: Alt. 2 | | | ' Ш | ш | Ш |
| complete chemical name, CAS number and supplier. 1. Chemical name: , CAS #: , Supplier: 2. Chemical name: , CAS #: , Supplier: 3. Chemical name: , CAS #: , Supplier: Alt. 2 | | Comment: No legal limits exist, this is a market requirement. | | | |
| 1. Chemical name: , CAS #: , Supplier: 2. Chemical name: , CAS #: , Supplier: 3. Chemical name: , CAS #: , Supplier: Alt. 2 Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4: FR(40) P7.19 Plastic parts >25g are free from flame retardant substances/ preparations above 0.1% classified as R45, R40, R46, R48, R50, R51, R53, R60, R61 and any combination of these (See Note B3) P7.20 Of total plastic parts' weight >25g, recycled material content is 4.0%. P7.21 Of total plastic parts' weight >25g, biobased material content is 0%. P7.22 Light sources are free from mercury P8 Batteries P8.1* Battery chemical composition: Lithium Ion/Lithium Manganese Dioxide | | | ı | | |
| 2. Chemical name: , CAS #: , Supplier: 3. Chemical name: , CAS #: , Supplier: Alt. 2 Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4: FR(40) P7.19 Plastic parts >25g are free from flame retardant substances/ preparations above 0.1% classified as R45, R40, R46, R48, R50, R51, R53, R60, R61 and any combination of these (See Note B3) P7.20 Of total plastic parts' weight >25g, recycled material content is 4.0%. P7.21 Of total plastic parts' weight >25g, biobased material content is 0%. P7.22 Light sources are free from mercury Batteries P8.1* Battery chemical composition: Lithium Ion/Lithium Manganese Dioxide | | | | | |
| 3. Chemical name: , CAS #: , Supplier: Alt. 2 Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4: FR(40) P7.19 Plastic parts >25g are free from flame retardant substances/ preparations above 0.1% classified as R45, R40, R46, R48, R50, R51, R53, R60, R61 and any combination of these (See Note B3) P7.20 Of total plastic parts' weight >25g, recycled material content is 4.0%. P7.21 Of total plastic parts' weight >25g, biobased material content is 0%. P7.22 Light sources are free from mercury P8 Batteries P8.1* Battery chemical composition: Lithium Ion/Lithium Manganese Dioxide | | | | | |
| Alt. 2 Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4: FR(40) P7.19 Plastic parts >25g are free from flame retardant substances/ preparations above 0.1% classified as R45, R40, R46, R48, R50, R51, R53, R60, R61 and any combination of these (See Note B3) P7.20 Of total plastic parts' weight >25g, recycled material content is 4.0%. P7.21 Of total plastic parts' weight >25g, biobased material content is 0%. P7.22 Light sources are free from mercury P8 Batteries P8.1* Battery chemical composition: Lithium Ion/Lithium Manganese Dioxide | | · · · · · · · · · · · · · · · · · · · | | | |
| Chemical specifications of flame retardants in plastic parts >25g according ISO 1043-4: FR(40) P7.19 Plastic parts >25g are free from flame retardant substances/ preparations above 0.1% classified as R45, R40, R46, R48, R50, R51, R53, R60, R61 and any combination of these (See Note B3) P7.20 Of total plastic parts' weight >25g, recycled material content is 4.0%. P7.21 Of total plastic parts' weight >25g, biobased material content is 0%. P7.22 Light sources are free from mercury P8 Batteries P8.1* Battery chemical composition: Lithium Ion/Lithium Manganese Dioxide | | , , , , | \boxtimes | | |
| P7.19 Plastic parts >25g are free from flame retardant substances/ preparations above 0.1% classified as R45, R40, R46, R48, R50, R51, R53, R60, R61 and any combination of these (See Note B3) P7.20 Of total plastic parts' weight >25g, recycled material content is 4.0%. P7.21 Of total plastic parts' weight >25g, biobased material content is 0%. P7.22 Light sources are free from mercury P8 Batteries P8.1* Battery chemical composition: Lithium Ion/Lithium Manganese Dioxide | | | _ | | |
| R40, R46, R48, R50, R51, R53, R60, R61 and any combination of these (See Note B3) P7.20 Of total plastic parts' weight >25g, recycled material content is 4.0%. P7.21 Of total plastic parts' weight >25g, biobased material content is 0%. P7.22 Light sources are free from mercury P8 Batteries P8.1* Battery chemical composition: Lithium Ion/Lithium Manganese Dioxide | | FR(40) | | | |
| P7.20 Of total plastic parts' weight >25g, recycled material content is 4.0%. P7.21 Of total plastic parts' weight >25g, biobased material content is 0%. P7.22 Light sources are free from mercury | P7.19 | | \boxtimes | | |
| P7.21 Of total plastic parts' weight >25g, biobased material content is 0%. P7.22 Light sources are free from mercury \(\) \(| D = 00 | | | | |
| P7.22 Light sources are free from mercury P8 Batteries P8.1* Battery chemical composition: Lithium Ion/Lithium Manganese Dioxide | | | | | |
| P8 Batteries P8.1* Battery chemical composition: Lithium Ion/Lithium Manganese Dioxide | | | | | |
| P8.1* Battery chemical composition: <i>Lithium Ion/Lithium Manganese Dioxide</i> | | · . | | | |
| <u>~</u> | | | | | |
| | P8.2 | Batteries meet the requirements of the following voluntary program/s: <i>US RBRC</i> | | | - - |

Note B2: IEC61249-2--21 has maximum limits for chlorine and bromine but does not address fluorine, iodine and astatine which are included in the group of halogens.

Note B3: 'Starting from January 2009, Risk phrases can be replaced by Hazard phrases according to the Globally Harmonized System (GHS), mandatory by December 2010.

| Model number * | Lenovo IdeaPad S410p | | |
|----------------|----------------------|------|---------|
| Issue date * | 2013-07-22 | Logo | lenovo. |

| Product e | environmental at | tributes - Market | requirements (co | ontinued) | Requirement | met |
|--------------------|---|---|-------------------------------------|---------------------------------|--|-------------|
| Item | | | | • | Yes No | n.a. |
| P9 | Energy consumpt | | | | | |
| | The product is ship | e following power lev oped w/ WOL Enable | | mptions are reporte | | |
| Energy mod | de * | Power level at 100 V AC | Power level at 115 V AC | Power level at 230 V AC | Reference / Standard for energy modes and test method * | |
| Peak (On-r | max) | 45 W | 45 W | 45 W | Full load | |
| Category | у А | 1 | 1 | | | |
| Idle State - | - WOL Enabled | 4.260 W | 4.080 W | 3.984 W | Use for Energy Star V5 registration(P _{idle}) | |
| Sleep (S3) | - WOL Enabled | <i>0.780</i> W | <i>0.768</i> W | 0.792 W | Use for Energy Star V5 registration(P _{sleep}) | |
| Sleep (S3) | - WOL Disabled | 0.73 W | 0.72 W | 0.74 W | Reference | |
| Off (S5) - V | NOL Enabled | 0.54 W | 0.54 W | 0.57 W | Use for Energy Star V5 registration(Poff) | |
| Off (S5) - V | NOL Disabled | 0.264 W | 0.276 W | <i>0.300</i> W | Use for EuP | |
| charger plu | ower supply / agged in the wall disconnected from | W | W | W | | |
| TEC Typical Ene | ergy Consumption | kWh/week | kWh/week | kWh/week | | |
| ETEC * Annual Ene | ergy Consumption | 13.27 kWh/year | 12.85 kWh/year | 12.74 kWh/year | $E_{TEC} = (8760/1000) \times (P_{off} \times 0.6 + P_{sleep} \times 0.1 + P_{idle} \times 0.3)$ | |
| | | P _{off} : Off Mode(S5) - V | WOL Enabled; P _{sleep} : S | Sleep Mode(S3) - WOL | Enabled; P _{idle} : Idle State - WOL Enabled | |
| Display res | olution : 1366*768 | 8 Megapixels | | | | |
| Print Speed | : t | Images per minu | te | | | \boxtimes |
| Default time | e to enter energy sa | ave mode: 25 minute | es . | | | |
| P9.2* | Information about f | the energy save fund | ction is provided with | the product. | | |
| | ENERGY STAR® Others specify: <i>En</i> | s the energy requirent version: Version 5.0 vergy Star for Extern | 0 dated July 1, 2009 | Product category: | A 🗎 | |
| P10 | Emissions Noise emission – | Declared according | to ISO 9296 | | | |
| P10.1 | | Mode description | 0.000 0200 | Declared A-weighted sound power | Declared A-weighted sound pressure level $L_{p{\rm Am}}$ (dB) | |
| | | | | level L_{WAd} (B) | Operator position Bystander positions Desktop Conly if product is not operator attended) | |
| | | HDD: Idle | | * 3.0 | 23.7 | |
| | Operation * | HDD: Operating | | * 3.0 | 26.1 | |
| | Other mode | . 🔽 | 7 = 0. W = : | | | |
| | Measured accordir | ng to: X ISO7779 C | ECMA-74 | ed by ECMA-74 with | h L _{pAm} measurement distance m) | |
| P10.2 | , | | | | | |

| Issue date * 2013-07-22 Logo | |
|------------------------------------|--|
| Issue date 2013-07-22 Logo lenovo. | |

| Product environmental | attributes - Market | requirements (co | ontinued) | Requirement | met |
|---|--|-------------------------------------|---------------------------------------|---|-------------|
| Item | | | | Yes No | n.a. |
| P9 Energy consur | | | | | |
| | the following power level shipped w/ WOL Enable | | mptions are reporte | ed: See P14 | |
| Energy mode * | Power level at 100 V AC | Power level at 115 V AC | Power level at 230 V AC | Reference / Standard for energy modes and test method * | |
| Peak (On-max) | 65 W | 65 W | 65 W | Full load | |
| Category B | - | • | 1 | | |
| Idle State - WOL Enabled | 5.976 W | 5.472 W | 5.556 W | Use for Energy Star V5 registration(P _{idle}) | |
| Sleep (S3) - WOL Enabled | 0.708 W | <i>0.708</i> W | <i>0.768</i> W | Use for Energy Star V5 registration(P _{sleep}) | |
| Sleep (S3) - WOL Disable | 0.832 W | <i>0.839</i> W | <i>0.890</i> W | Reference | |
| Off (S5) - WOL Enabled | 0.47 W | 0.48 W | 0.54 W | Use for Energy Star V5 registration(Poff) | |
| Off (S5) - WOL Disabled | 0.216W | 0.216 W | 0.276 W | Use for EuP | |
| EPS No-load (External power supply / charger plugged in the wall outlet but disconnected fror the product.) | 0.086 W | 0.091 W | 0.141 W | | |
| TEC Typical Energy Consumption | kWh/week | kWh/week | kWh/week | | |
| ETEC * Annual Energy Consumptio | 19.110 kWh/year | 19.220 kWh/year | 20.000 kWh/year | $E_{TEC} = (8760/1000) \times (P_{off} \times 0.6 + P_{sleep} \times 0.1 + P_{idle} \times 0.3)$ | |
| | P _{off} : Off Mode(S5) - | WOL Enabled; P _{sleep} : S | Sleep Mode(S3) - WO | Enabled; P _{idle} : Idle State - WOL Enabled | |
| Display resolution : 1366* | 768 Megapixels | | | | |
| Print Speed : | Images per minu | ite | | | \boxtimes |
| Default time to enter energy | save mode: 25 minute | es | | | |
| P9.2* Information abo | ut the energy save fund | ction is provided with | the product. | | |
| ENERGY STAF Others specify: | ets the energy requirer ® version: <i>Version 5.</i> Energy Star for Exter | 0 dated July 1, 2009 | Product category: | B 🔲 | |
| P10 Emissions Noise emission | n – Declared according | to ISO 9296 | | | |
| P10.1 Mode | Mode description | 100 0200 | Declared A-weighted sound power | Declared A-weighted sound pressure level $L_{p \text{Am}}$ (dB) | |
| | | | level L_{WAd} (B) | Operator position Bystander positions Desktop Control (only if product is not operator attended) | |
| Idle | * HDD: Idle | | * 3.0 | 23.7 | |
| Operation | * HDD: Operating | | * 3.0 | 26.1 | |
| Other mode | | | | | |
| Measured acco | rding to: ISO7779 Other | ECMA-74 (only if not cover | ed by ECMA-74 wit | h L _{pAm} measurement distance m) | |
| P10.2 The product me | ets the acoustic noise | | | | \square |

| Model n | umber * | Lenovo IdeaPad S410p | | | | |
|----------|---|---|-------------------|----------------------|----------------|-------------|
| Issue da | ite * | 2013-07-22 Logo | len | OV | 70 . | |
| Produc | t environi | mental attributes - Market requirements (continued) | Requ | ıirem | ent | met |
| Item | | | Y | es | No | n.a. |
| | Chemic | al emissions from printing products | | | | |
| P10.3* | Test per | formed according to ECMA-328 (ISO/IEC 28360) standard, other specify: | | | | \boxtimes |
| P10.4 | Typical | emission rate (print phase) is (mg/h): | | | | |
| | | Dust Ozone Styrene Benzene TVOC | | | | |
| P10.5 | Chemica | al emission requirements of the following voluntary program/s are met for : | | | | \boxtimes |
| | I | Dust Ozone Styrene Benzene TVOC | | | | |
| | | nagnetic emissions | | | | |
| P10.6 | program | er display meets the requirement for low frequency electromagnetic fields of the following voluntary /s: MPR-II | / | \leq | | |
| P11 | | nable materials for printing products | | | | |
| P11.1* | A Safety | Data Sheet (SDS) is available for the ink/toner preparation, even if not legally required (see P4.3) | . [| | | \boxtimes |
| P11.2* | Paper c EN1228 | ontaining post-consumer recycled fibers can be used, provided that it meets the requirements 1. | of | | | |
| P11.3* | 2-sided | (duplex) printing/copying is an integrated product function. | | | | \boxtimes |
| P12 | | mics for computing products | | | | |
| P12.1* | The disp | play meets the ergonomic requirements of ISO 9241-307 for visual display technologies. | | \leq | | |
| P12.2* | The phy | sical input device meets the requirements of ISO 9995 and ISO 9241-410. | | $\overline{\langle}$ | | |
| P13 | Packag | ing and documentation | | _ | | |
| P13.1* | Product Product | packaging material type(s): Corrugated Carton weight (kg): 0.378 packaging material type(s): Polyethylene Cushions weight (kg): 0.080 packaging material type(s): Others weight (kg): 0.123 | | | | |
| P13.2* | Product | plastic packaging is free from PVC. | | $\overline{\langle}$ | | |
| P13.3* | | media for user and product documentation (tick box): ic ⊠, Paper ⊠, Other □ | | | | |
| P13.4* | For pape | er user and product documentation, please specify contained percentage of post-consumer recycle (Japan only 70%) | ∍d | | | |
| P14 | | nal information (See Note B4) | | | | |
| | informat knowled provided informat | | ased on ation. Th | suppl e info | lier's rmat | |
| P7.17 | | t does not contain free TBBPA in printed circuit boards(without components)>25g. | | | | |
| P9 | | ergy Star Qualified (insert appropriate Product type; i.e. Desktop, Notebook, etc.) for the late ownloads.energystar.gov/bi/qplist/laptops_prod_list.xls (insert appropriate web url) | st infor | matic | on: | |

Note B4: Additional lines may be inserted to declare further items, by positioning the cursor at the far right of the row and hitting the <Enter> key.

Legal references Europe Annex B

| Reference | Declaration item |
|--|------------------------------|
| 2002/95/EC (ROHS Directive) | P1.1, P4.1 |
| REACH, Annex XVII | P1.6, P1.8, P4.2 |
| REACH, Annex XVII | P1.4 |
| REACH, Annex XVII | P1.2 |
| REACH, Annex XVII | P1.7 |
| REACH, Annex XVII | P1.9 |
| Regulation (EC) No. 2037/2000, 2038/2000, 2039/2000 | P1.3 |
| Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002 | P1.5 |
| 2006/66/EC (Battery and accumulators Directive) | P2.1, P2.2, P2,3, P3.4, P8.1 |
| 2006/95/EC (Low Voltage Directive) | P3.1, 3.4 |
| 2004/108/EEC (New EMC Directive) | P3.2, 3.4 |
| 1999/5/EC (R&TTE Directive) | P3.3, 3.4 |
| "REACH" Regulation (1907/2006), annex VII | P1.10 |
| (EC) No.1272/2008 regulation on classification, labeling and packaging (CLP) | P4.3 |
| REACH article 31, annex II | P4.3 |
| 2004/12/EC (Directive on packaging and packaging waste) | P5.1 |
| (97/129/EC) (Commission Decision on Identification System for Packaging Materials | P5.2 |
| 2037/2000/EC Regulation on Substances that Deplete the Ozone Layer | P5.3 |
| 2002/96/EC (WEEE directive) | P3.4, P6.1 |
| (EC) No.1272/2008 regulation on classification, labeling and packaging (CLP) | P7.19 |