

3.1.3 Environment-Related Substances Management

In 2010, LITE-ON formulate and implemented the LITE-ON Standard of Controlled Hazardous Substance (LS301) by following the IECQ QC 080000 system and taking into account the latest trends in other countries, regulations, and customer needs. The LS301 standards apply to all products, and currently lists a total of 310 restricted substances. In addition, LITE-ON updates the rationale of restricted substances as needed. The LS301 standards are also revised as needed to reflect environment-related substances which LITE-ON promises to monitor or ban. The Green products Management System (GMS) works with the "restricted substances" and "product design and development" procedures already in place for hazardous substance management. LITE-ON requires that suppliers comply with the LITE-ON Green Procurement Guidelines and upstream suppliers (or contractors) submit the Guarantee letter (CoC letter) of Restricted Substances Compliance for material, part acknowledgment and internal control. In addition, LITE-ON states explicitly the requirements for materials, parts, or semi-finished goods in all procurement contracts to ensure they comply with or better than RoHS, REACH, California Proposition 65, and Montreal Protocol. With the implementation of green supply chain management, we hope to bring customers low-toxicity and low-pollution products to minimize any harmful impact they may have on the human body or the environment, and achieve the goal of being environmentally friendly through material selection.

LITE-ON installs the Green products Management System (GMS) to effectively manage and review compliance with the LS301 standards for raw materials, parts, or semi-finished goods provide by the suppliers. GMS combines material requirements, international laws and guides, customer policies, and supplier information. Suppliers file product testing and analysis results and applicable guidelines and instructions. LITE-ON will summarize and analyze the data, and check the degree of compliance with the LS301 standards. Furthermore, GMS not only actively delivers information on green product management at LITE-ON to customers, but also feeds environmental requirements or provisions for green products, such as ErP, WEEE, and 3R, from customers into the management system to provide a basis for green product design.

LITE-ON made a running change to replace materials, parts, and modules containing diisobutyl phthalate (DIBP). The substance ceased to be used in any of the products in January 2019.

LITE-ON standards on hazardous substances (LS301)	
113 restricted substances (including 13 future banned or restricted substance)	<ul style="list-style-type: none"> • Lead (Pb) and compounds • Cadmium (Cd) and compounds • Mercury (Hg) and compounds • Hexavalent chromium (Cr(VI)) and compounds • Polybrominated biphenyls (PBBs) • Polybrominated diphenyl ethers (PBDEs) • Phthalate esters (DEHP/DBP/BBP/DINP/DIDP/DNOP) • etc
REACH 197 substances of very high concern	EU REACH SVHC 1-197 <ul style="list-style-type: none"> • Beryllium (Be) and compounds • Bismuth (Bi) and compounds • Medium chain chlorinated paraffins (MCCPs) (chlorinated paraffins) • Dimethyl fumarate (DMF) • etc

