

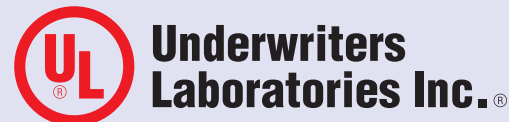


UL's leading tools for materials testing, as well as our global team of experts, provide comprehensive guidance and support for RoHS compliance. With UL, you have access to:

- More than 110 years of audit experience
- A leading figure in the establishment of global standards and improved testing methodologies
- A global team of experts in polymers, material science and all related scientific disciplines
- A global organization with offices worldwide
- An active database containing every UL customer in the components and plastics industries

If you want to know more about the UL Restricted Substances Compliance Solutions, please contact the following:

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www.UL-asia.com



UL Restricted Substances Compliance Solutions

Helping you to meet the requirements of the Green Markets



Test homogeneous materials
 monitor supply chain partners
 Search for Professional RoHS Compliant Knowledge suppliers



UL Restricted Substances Compliance Solutions (RSCS)

Helping you to meet the requirements of the Green Markets

By July 2006, all manufacturers of electronic and electrical equipment sold in Europe must comply with the EU's Restriction of Hazardous Substances (RoHS) Directive mandating the reduction of six hazardous substances. The immediate repercussions of non-compliance include serious fines and damaged brand reputations.



The RoHS Directive requires that manufacturers be able to demonstrate minimal levels of the following identified substances:

- Lead (Pb)
- Mercury (Hg)
- Cadmium (Cd)
- Hexavalent chromium (Cr⁺⁶)
- Polybrominated biphenyl (PBB)
- Polybrominated diphenyl ether (PBDE)

UL helps organizations self-declare compliance with global and national restricted substances regulations such as RoHS. To help companies with evolving mandates, UL has created the Restricted Substances Compliance Solutions (RSCS) program.

UL is a respected, third-party source that helps manufacturers test and monitor their supply chains, allowing them to self-declare compliance with the RoHS requirements with complete confidence.

Through RSCS, organizations have access to UL's comprehensive set of tools, allowing them to:

- Test homogenous materials
- Monitor supply chain partners
- Search for RoHS compliant suppliers

Key industries affected by RoHS include:

- Appliances
- Consumer Electronics
- Plastics
- Wire and Cable
- Components
- Information Technology
- Telecommunications

For OEMs, the RSCS Program helps:

- Mitigate organizational risk of non-compliance
- Monitor performance of supply chain partners
- Reduce overhead costs of internal compliance efforts
- Identify compliant substitution options

For suppliers, the RSCS Program helps:

- Streamline the OEM reporting process into a single workflow
- Improve visibility to OEMs looking for compliant suppliers
- Provide a cost-effective means to monitor and document compliance
- Reduce risk of lost business from OEMs requiring proof of compliance

Testing of homogenous materials

For manufacturers participating in RSCS, UL provides global testing capabilities through a combination of UL facilities, UL qualified laboratories and UL qualified customer labs.

UL works collaboratively with OEMs and their suppliers to test and monitor for elements outlined in the RoHS Directive. The OEM provides UL with a Bill of Materials (BOM) and its suppliers provide appropriate samples for testing.

UL then sends a report to each supplier with the test results for the respective RoHS substances. From this data, suppliers and OEMs can determine the appropriate action, if needed.

UL's RSCS Database

UL has created a global proprietary database to help organizations manage their restricted substances test data. This database is built around manufacturers' specific parts numbers and the corresponding test data.

From this password-protected database, companies can monitor supplier compliance and evaluate potential new supplier partners. The database structure allows OEMs and suppliers to easily declare compliance directly from the database through their BOM and associated test data.

Surveillance of global supply chain partners

UL's periodic testing of all products in the restricted substances database gives OEMs confidence in their ability to identify unauthorized substitutions.

Additionally, UL provides surveillance audits of OEM and supplier quality management systems as a further quality check. RSCS gives suppliers an efficient way to self-declare compliance by testing samples with a respected third party and by providing the documentation to satisfy the requirements of multiple OEM customers.

To learn more, download UL's free white paper "Restricted Substances Compliance: Implications and Strategies" at www.ul-rscs.com or call our Customer Service hotline.



UL's Center of Excellence in Melville, New York collaborates with both the EPA¹ and NIST² to establish improved test methods and Certified Reference Materials. This center is helping to standardize testing methods, providing a higher level of consistency on a worldwide basis.

Why partner with UL?

With core competencies in laboratory testing, field testing and surveillance, UL has the resources to help you manage your supply chain for compliance.

As an industry leader, UL plays a significant role in the development of restricted substances and other standards through its work with such bodies as the RoHS Technical Adaptation Committee, the IEC TC108³ and IEC ACEA⁴, ASTM⁵ and BAM⁶. Because UL has well-established relationships with the global safety compliance community, the company is positioned to quickly adapt the RSCS program as mandates change worldwide.

Remarks:

- ¹ EPA – Environmental Protection Agency
- ² NIST – National Institute of Standards and Technology
- ³ TC 108 – Technical Committee for "Safety of Electronic Equipment within the Field of Audio/ Video, Information Technology and Communication Technology"
- ⁴ ACEA – Advisory Committee on Environmental Aspects
- ⁵ ASTM – American Society for Testing and Materials
- ⁶ BAM – Bundesanstalt für Materialforschung und –prüfung (Federal Institute for Materials Research and Testing)