

# Hazardous Substances Compliance Report

## Professional Regulatory Analysis for EU/RoHS/REACH Compliance

[COMPANY LOGO PLACEHOLDER]

### Executive Summary

This compliance report analyzes laptop for regulatory requirements in United States.

- Analysis Results:**
- Total components analyzed: 4
  - Compliant components: 2
  - Non-compliant components: 2
  - Compliance rate: 50%
  - Overall status: **ACTION REQUIRED**

IMMEDIATE ACTION REQUIRED

### Business Context

Company Role:	Producer
Company Location:	Germany
Target Markets:	United States
Product Category:	Computing & Telecommunications
Report Generated:	2025-08-22 18:56:50

### Product Information

Product Description:	laptop
Product Category:	Computing & Telecommunications
Product Type:	Computing & Telecommunications

Expected Volume:	< 1,000 units
------------------	---------------

## Applicable Regulations

Regulation	Authority	Status	Priority
California Proposition 65	Government Authority	Active	Standard
TSCA	Government Authority	Active	Standard
FCC Regulations	Government Authority	Active	Standard
CPSIA	Government Authority	Active	Standard

## Materials Analysis

Detailed analysis of 4 components:

Component	Substance	Concentration (ppm)	Legal Limit (ppm)	Status	Risk Level	CAS Number	Notes
LCD Display 15.6 inch	Lead (Pb)	850.0	1000	COMPLIANT	Medium Risk	7439-92-1	Within acceptable limits
Lithium Battery	Cobalt	12000.0	1000	NON-COMPLIANT	High Risk	7440-48-4	Exceeds limit by 11000.0 ppm
Plastic Housing	Brominated Flame Retardants	2500.0	1000	NON-COMPLIANT	High Risk	N/A	Exceeds limit by 1500.0 ppm
CPU Processor	Gold	45.0	1000	COMPLIANT	Low Risk	7440-57-5	Within acceptable limits

## Compliance Summary

Overall Status:	ACTION REQUIRED
Components Analyzed:	4
Regulations Applied:	4
Verified Sources:	65
Analysis Date:	2025-08-22

## Specific Recommendations

- Contact CATL immediately about Cobalt levels (12000.0 ppm exceeds 1000 ppm limit)
- Contact Foxconn about Brominated Flame Retardants (2500.0 ppm exceeds 1000 ppm limit)

- 3. Implement emergency supplier audit for non-compliant components
- 4. Request alternative materials from suppliers within 48 hours
- 5. Consider immediate product hold until compliance is achieved
- 6. Schedule urgent review with regulatory compliance team

Regulatory Framework Details

RoHS Directive (2011/65/EU)

The Restriction of Hazardous Substances (RoHS) Directive restricts the use of specific hazardous materials found in electrical and electronic products. The directive applies to equipment placed on the EU market.

Substance	Chemical Symbol	Limit (ppm)	CAS Number
Lead	Pb	1000	7439-92-1
Mercury	Hg	1000	7439-97-6
Cadmium	Cd	100	7440-43-9
Hexavalent Chromium	Cr6+	1000	18540-29-9
Polybrominated biphenyls	PBB	1000	Various
Polybrominated diphenyl ethers	PBDE	1000	Various
Bis(2-ethylhexyl) phthalate	DEHP	1000	117-81-7
Benzyl butyl phthalate	BBP	1000	85-68-7
Dibutyl phthalate	DBP	1000	84-74-2
Diisobutyl phthalate	DIBP	1000	84-69-5

REACH Regulation (1907/2006)

REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals) requires companies to identify and manage risks linked to chemicals. For Substances of Very High Concern (SVHC), the threshold for notification is 1000 ppm (0.1% by weight) in articles.

*This report was generated by Rolling Sphere Technologies Hazardous Substances Compliance Platform.*

*Report generated on 2025-08-22 18:56:50*

*CONFIDENTIAL - This document contains proprietary information.*

*For questions about this analysis, please contact your regulatory compliance team.*