

TECHNICAL REPORT



**Material declaration for products of and for the electrotechnical industry –
Part 1: Guidance for the implementation of IEC 62474**



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Part 1: Guidance for the implementation of IEC 62474**

INTERNATIONAL
ELECTROTECHNICAL
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IEC TR 62474-1, which is a Technical Report, has been prepared by IEC technical committee 111: Environmental standardization for electrical and electronic products and systems.

The text of this Technical Report is based on the following documents:

Enquiry draft	Report on voting
111/359/DTR	111/369/RVC

Full information on the voting for the approval of this Technical Report can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 62474 series, published under the general title *Material declaration for products of and for the electrotechnical industry*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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MATERIAL DECLARATION FOR PRODUCTS OF AND FOR THE ELECTROTECHNICAL INDUSTRY –

Part 1: Guidance for the implementation of IEC 62474

1 Scope

This part of IEC 62474, which is a Technical Report, is a guidance document to help organizations that create tools for material data exchange and organizations that submit and receive material declarations to properly implement IEC 62474.

IEC 62474 specifies the procedure, content, and form relating to material declarations for products of companies operating in and supplying the electrotechnical industry.

This Technical Report:

- illustrates the flexibility and functionality of IEC 62474 using examples,
- supports organizations that create software to exchange substance and material data,
- supports users that submit and receive material declarations, and
- is designed to support consistent implementation of IEC 62474.

Clause 3 summarizes industry needs for material information and business benefits related to IEC 62474.

Clause 4 provides case studies that describe the functionality of IEC 62474.

Clause 5 provides detailed representations and XML files for the material declaration case studies included in Clause 4.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 62474:2012, *Material declaration for products of and for the electrotechnical industry*

3 Industry needs and business benefits

3.1 Industry needs

Today, there are ever increasing legal regulations in many countries from around the world and supply chain requirements that may restrict the use of substances in products, require reporting and/or require notifications of substance uses.

To determine restricted substance compliance status, electrotechnical product manufacturers need information about restricted substances contained in supplied products that become part of the manufacturer's products.