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Material declaration for products of and for the electrotechnical industry

Part 1: Guidance for the implementation of IEC 62474

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National foreword

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The UK participation in its preparation was entrusted to Technical Committee GEL/111, Electrotechnical environment committee.

A list of organizations represented on this committee can be obtained on request to its secretary.

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TECHNICAL REPORT

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

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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CONTENTS

FOREWORD 5
1 Scope 7
2 Normative references 7
3 Industry needs and business benefits 7
3.1 Industry needs 7
3.2 Business benefits 8
4 Material declaration approach and flexibility of IEC 62474 9
4.1 Material declaration approach 9
4.1.1 General 9
4.1.2 Guidance on use of conditional fields in the developers table 10
4.1.3 Guidance on use of mass and mass percent fields 11
4.1.4 Calculating mass percent 11
4.1.5 Interpretation of reporting threshold for declarable substances and declarable substance groups 12
4.1.6 Guidance on declaring a substance that belongs to two different substance groups 12
4.2 Flexibility of IEC 62474 13
4.2.1 Overview of material declaration features 13
4.2.2 Flexibility of declaring substances and substance groups at different levels within the declaration 13
4.2.3 Declarable substances in a material declaration 13
4.2.4 Additional guidance on declaration of material classes 14
4.2.5 Absence declaration 15
4.2.6 Material names 15
4.2.7 Use of the query list feature 16
4.2.8 Declaring exemptions 16
4.2.9 Using the reporting threshold, aboveThresholdLevel and the reportableApplication fields 18
4.2.10 How to declare a product that does not have a fixed mass 19
5 Material declaration examples 19
5.1 General 19
5.2 Example 1 – An electronic component 19
5.2.1 General 19
5.2.2 Material declaration reporting “base data requirements” 21
5.2.3 Material declaration reporting base data requirements with optional additional data fields to provide information on material and exemption information for RoHS substances 22
5.2.4 Material declaration reporting additional information for 100 percent of the product composition 25
5.2.5 Material declaration reporting additional information with one undeclared substance 31
5.3 Example 2 – A product family of capacitors 38
5.3.1 General 38
5.3.2 Reporting material declaration according to“base data requirements” 38
5.3.3 Material declaration reporting additional information for 100 percent of the product composition 41
5.4 Example 3 – An assembly consisting of a circuit board and a battery 44
5.4.1 General 44

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5.4.2 Material declaration reporting “base data requirements” 45
5.4.3 Material declaration reporting “Additional requirements” for 100 percent of the product composition 47
5.5 Example 4 – A product containing a substance which falls under both REACH Annex XVII and REACH candidate list of substances of very high concern (SVHC) 53
5.5.1 General 53
5.5.2 Material declaration reporting based on “base data requirements” with optional additional data fields 55
5.6 Example 5 – Material declaration reporting additional information declaring based on query lists and for product parts 57
5.6.1 General 57
5.7 Example 6 – Thresholds referring to metals 63
5.7.1 General 63
5.7.2 Material declaration reporting “base data requirements” 64
5.7.3 Material declaration reporting additional information declaring reference substances for a declarable substance group 66
Annex A (informative) Guidance to declare substances of unknown or variable composition, complex reaction products and biological materials (UVCBs) 68
Bibliography 72

Figure 1 – Conceptual diagram for base requirements 9
Figure 2 – Conceptual diagram for additional requirements 10
Figure 3 – Base data requirements – XML 22
Figure 4 – Additional information – XML for 100 percent product information 30
Figure 5 – Additional information – XML with one undeclared substance 37
Figure 6 – Base data requirements – XML 40
Figure 7 – Additional information – XML for 100 percent of the product composition 43
Figure 8 – Base data requirements – XML 46
Figure 9 – Additional information – XML for 100 percent of the assembly composition 52
Figure 10 – Base data requirements with optional additional data fields – XML 56
Figure 11 – Base data requirements with optional additional data fields – XML 62
Figure 12 – Base data requirements – XML 65
Figure 13 – Base data requirements with optional additional data fields – XML 67

Table 1 – Conversion table from ppm to mass percent 11
Table 2 – Use of query list 16
Table 3 – IPC 1752A exemption specification example 17
Table 4 – JAMP application list for RoHS exemption list example 18
Table 5 – JAMP exemption specification example 18
Table 6 – Base data requirements – Business information 21
Table 7 – Base data requirements – Product information 21
Table 8 – Base data requirements – Substance group/substance information 21
Table 9 – Additional requirements – Material information and exemptions 23
Table 10 – Additional information – Material class information for 100 percent of the product composition 25

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Table 11 – Additional information – Product material/substance group/substance information for 100 percent of the product composition 26
Table 12 – Additional information – Declaration of material class information with one undeclared substance and statements about RoHS substance levels 31
Table 13 – Additional information – Product material/substance group/substance information with one undeclared substance 32
Table 14 – Base data requirements – Product information 39
Table 15 – Additional information – Material class information for 100 percent of the product composition 41
Table 16 – Additional information – Declaration of 100 percent of product composition 41
Table 17 – Base data requirements – Product information 45
Table 18 – Base data requirements – Product part information 45
Table 19 – Base data requirements – Product part and substance group information 45
Table 20 – Additional information – Product part information 47
Table 21 – Additional information – Material class information for 100 percent of assembly composition 47
Table 22 – Additional information – Product part/material/substance group/substance information for 100 percent of assembly composition. 48
Table 23 – Base data requirements – Product information 55
Table 24 – Base data requirements with optional additional data fields – Substance group/substance information 55
Table 25 – Base data requirements – Business information 57
Table 26 – Base data requirements – Product information 57
Table 27 – Base data requirements – Substance group/substance information with optional additional data fields 58
Table 28 – Additional information – Query list 59
Table 29 – Additional information – Product parts 60
Table 30 – Base data requirements – Business information 64
Table 31 – Base data requirements – Product information 64
Table 32 – Base data requirements – Substance group/substance information 64
Table 33 – Additional information – Product material/substance group/substance information 66
Table A.1 – Example for simple glass declaration by the JEITA method 69
Table A.2 – Example for glass prepared with B2O3 by the JEITA method 69
Table A.3 – Example for glass prepared with PbO by the JEITA method 69
Table A.4 – Example for simple ceramic by the JEITA method 70
Table A.5 – Example for ceramic containing PZT by the JEITA method 70
Table A.6 – Example for simple glass by the IMDS method 70
Table A. 7 – Example for specific glass by the IMDS method 71
Table A.8 – Example for glass containing lead by the IMDS method 71

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

MATERIAL DECLARATION FOR PRODUCTS OF AND FOR THE ELECTROTECHNICAL INDUSTRY –

Part 1: Guidance for the implementation of IEC 62474

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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.

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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

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
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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.

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