



Edition 2.0 2018-11

INTERNATIONAL STANDARD

NORME INTERNATIONALE



Material declaration for products of and for the electrotechnical industry

Déclaration de matières pour des produits de et pour l'industrie électrotechnique

https://standards.iteh.ai/catalog/standards/sist/ea238b61-37d6-42bf-83d5e64ec4639a8b/iec-62474-2018





THIS PUBLICATION IS COPYRIGHT PROTECTED Copyright © 2018 IEC, Geneva, Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either IEC or IEC's member National Committee in the country of the requester. If you have any questions about IEC copyright or have an enquiry about obtaining additional rights to this publication, please contact the address below or your local IEC member National Committee for further information.

Droits de reproduction réservés. Sauf indication contraire, aucune partie de cette publication ne peut être reproduite ni utilisée sous quelque forme que ce soit et par aucun procédé, électronique ou mécanique, y compris la photocopie et les microfilms, sans l'accord écrit de l'IEC ou du Comité national de l'IEC du pays du demandeur. Si vous avez des questions sur le copyright de l'IEC ou si vous désirez obtenir des droits supplémentaires sur cette publication, utilisez les coordonnées ci-après ou contactez le Comité national de l'IEC de votre pays de résidence.

IEC Central Office 3, rue de Varembé CH-1211 Geneva 20 Switzerland Tel.: +41 22 919 02 11 info@iec.ch www.iec.ch

About the IEC

The International Electrotechnical Commission (IEC) is the leading global organization that prepares and publishes International Standards for all electrical, electronic and related technologies.

About IEC publications

The technical content of IEC publications is kept under constant review by the IEC. Please make sure that you have the latest edition, a corrigenda or an amendment might have been published.

IEC Catalogue - webstore.iec.ch/catalogue

The stand-alone application for consulting the entire bibliographical information on IEC International Standards, Technical Specifications, Technical Reports and other documents. Available for PC, Mac OS, Android Tablets and iPad.

IEC publications search - webstore.iec.ch/advsearchform

The advanced search enables to find IEC publications by (a 4 variety of criteria (reference number, text, technical committee,...). It also gives information on projects, replaced and withdrawn publications.

IEC Just Published - webstore.iec.ch/justpublished

Stay up to date on all new IEC publications. Just Published details all new publications released. Available online and also once a month by email.

Electropedia - www.electropedia.org

The world's leading online dictionary of electronic and electrical terms containing 21/000 terms and definitions in English and French, with equivalent terms in 16 additional languages. Also known as the International Electrotechnical Vocabulary (IEV) online.

IEC Glossary - std.iec.ch/glossary

67 000 electrotechnical terminology entries in English and French extracted from the Terms and Definitions clause of IEC publications issued since 2002. Some entries have been collected from earlier publications of IEC TC 37, 77, 86 and CISPR.

IEC Customer Service Centre - webstore.iec.ch/csc

If you wish to give us your feedback on this publication or need further assistance, please contact the Customer Service Centre: sales@iec.ch.

A propos de l'IEC

La Commission Electrotechnique Internationale (IEC) est la première organisation mondiale qui élabore et publie des Normes internationales pour tout ce qui a trait à l'électricité, à l'électronique et aux technologies apparentées.

A propos des publications IEC

Le contenu technique des publications IEC est constamment revu. Veuillez vous assurer que vous possédez l'édition la plus récente, un corrigendum ou amendement peut avoir été publié.

Catalogue IEC - webstore.iec.ch/catalogue

Application autonome pour consulter tous les renseignements bibliographiques sur les Normes internationales, Spécifications techniques, Rapports techniques et autres documents de l'IEC. Disponible pour PC, Mac OS, tablettes Android et iPad.

Recherche de publications IEC - webstore.jec.ch/advsearchform

La recherche avancée permet de trouver des publications IEC en utilisant différents critères (numéro de référence, texte, comité d'études,...). Elle donne aussi des informations sur les projets et les publications remplacées ou retirées.

IEC Just Published - webstore.iec.ch/justpublished

Restez informé sur les nouvelles publications IEC. Just Published détaille les nouvelles publications parues. Disponible en ligne et aussi une fois par mois par email.

Electropedia - www.electropedia.org

Le premier dictionnaire en ligne de termes électroniques et électriques. Il contient 21 000 termes et définitions en anglais et en français, ainsi que les termes équivalents dans 16 langues additionnelles. Egalement appelé Vocabulaire Electrotechnique International (IEV) en ligne.

Glossaire IEC - std.iec.ch/glossary

67 000 entrées terminologiques électrotechniques, en anglais et en français, extraites des articles Termes et Définitions des publications IEC parues depuis 2002. Plus certaines entrées antérieures extraites des publications des CE 37, 77, 86 et CISPR de l'IEC.

Service Clients - webstore.iec.ch/csc

Si vous désirez nous donner des commentaires sur cette publication ou si vous avez des questions contactez-nous: sales@iec.ch.





Edition 2.0 2018-11

INTERNATIONAL STANDARD

NORME INTERNATIONALE



Material declaration for products of and for the electrotechnical industry

Déclaration de matières pour des produits de et pour l'industrie électrotechnique

LEC 62474:2018 https://standards.iteh.ai/catalog/standards/sist/ea238b61-37d6-42bf-83d5e64ec4639a8b/iec-62474-2018

INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ELECTROTECHNIQUE INTERNATIONALE

ICS 01.110; 13.020.01; 29.100

ISBN 978-2-8322-6287-0

Warning! Make sure that you obtained this publication from an authorized distributor. Attention! Veuillez vous assurer que vous avez obtenu cette publication via un distributeur agréé.

 Registered trademark of the International Electrotechnical Commission Marque déposée de la Commission Electrotechnique Internationale

CONTENTS

FC	FOREWORD4				
IN	INTRODUCTION				
1	Scop)e	8		
2	Norm	native references	8		
3	Terms and definitions				
4	Regi	urements for material declarations	12		
т	1 1	General			
	4.1		12		
	4.1.1	Conformity to the IEC 62474 standard	15		
	4.1.2	Control requirements	16		
	4.1.5	Business information	16		
	4.2 1 3	Product information	10		
	4.5	Declaration for compliance requirements	16		
	ч. ч ЛЛ1	General information	16		
	4.4.1	Des and DSGs with mandatory reporting requirements	16		
	4.4.2	Dos and Doos with infandatory reporting requirements	10		
	4.4.3	Composition dederation requirements	10		
	4.0		10		
	4.5.1	Product parts	18 18		
	4 5 3	Materials (standards itah ai)	10		
	4.5.0	DSs and DSG substance(s) with mandatory reporting requirements	20		
	4.5.5	Dos and DSC substance(s) with manuatory reporting requirements	20		
	4.5.5	Otheriter/herderice/a/catalog/standards/sist/ea/238h61-37d6-42hf-83d5-			
	4.5.0	Material class declaration ⁶⁶⁴ ec4639a8b/iec-62474-2018	Z I 21		
	4.0	Other information	2 1		
	4.7		ZZ		
	4.7.1	Query lists	ZZ		
	4.7.2	Poguester/responder mode	22		
	4.7.3		22		
F	4.7.4 Orita	ria and threaholds for DSs. DSCs and material classes in the IEC 62474	ZZ		
5	datal	Dase	22		
	5.1	General	22		
	5.2	DSs and DSGs criteria	22		
	5.3	Material class criteria	23		
	5.4	Reporting threshold levels and reportable applications for DSs and DSGs	24		
	5.5	Threshold levels for material classes			
	5.6	Reference substances in the IEC 62474 database			
6	Crite	ria for exemption lists in the IEC 62474 database	24		
7	IEC (62474 database data format and exchange	24		
'	7 1				
	7.1 7.0	Data ovehengo format	24 25		
	1.Z	Data exchange Iomat	20		
	1.3	Two way and ano way data avalance	25		
	1.3.1	Two-way and one-way data exchange	25		
	7.3.2	Additional data exchange requirements	25		
	7.3.3	Additional data exchange requirements			
	7.3.4		26		

8	7.4 IEC 6	Criteria for the IEC 62474 database maintenance of data exchange format 62474 database maintenance	26 26		
	8.1	General	26		
	8.2	IEC 62474 database update process	26		
	8.3	Reclassification and removal of DSs and DSGs from the IEC 62474 DSL	27		
	8.4	Maintenance of exemption lists in the IEC 62474 database	27		
	8.5	Maintenance of data exchange format	28		
A	Annex A (informative) Simplified representation of data exchange format				
Bibliography					
	•				

Figure 1 – IEC 62474 principles	7
Figure 2 – Material declaration capabilities	13
Figure 3 – Material declaration structure	14
Figure 4 – Data model for a declaration for compliance	14
Figure 5 – Data model for a composition declaration	15

Table 1 – DSs and DSGs criteria	23
Table A.1 – Data element types of a material declaration	30

iTeh STANDARD PREVIEW (standards.iteh.ai)

<u>IEC 62474:2018</u> https://standards.iteh.ai/catalog/standards/sist/ea238b61-37d6-42bf-83d5e64ec4639a8b/iec-62474-2018

INTERNATIONAL ELECTROTECHNICAL COMMISSION

- 4 -

MATERIAL DECLARATION FOR PRODUCTS OF AND FOR THE ELECTROTECHNICAL INDUSTRY

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and nongovernmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
- 3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user. PRF ARD
- 4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
- 5) IEC itself does not provide any attestation of conformity. Ondependent certification bodies provide conformity assessment services and tin some areas access to IEC marks of conformity IEC is not responsible for any services carried out by independent certification bodies.
- 6) All users should ensure that they have the latest edition of this publication.
- 7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 62474 has been prepared by IEC Technical Committee 111: Environmental standardization for electrical and electronic products and systems.

This second edition cancels and replaces the first edition published in 2012. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) The material classes and exemption lists capabilities have been improved.
- b) The introduction and scope have new diagrams and information to give a better overview of the standard and identify what information is mandatory, optional or conditionally mandatory.
- c) Definitions have been added. Minimum requirements to be in conformance with the IEC 62474 standard are defined, including XML format as the officially accepted format. By defining an authority, list identity and list version, the standard format could be used for lists other than the IEC 62474 database.

- d) Terms have been aligned for consistency throughout the document. For example, the "IEC 62474 database" was previously referred to as "IEC 62474 database", "IEC 62474", "IEC 62474 Database", "IEC 62474 DB".
- e) The annexes have been removed as they are now contained within documents managed by the validation team 62474 (VT 62474). Annex A (Annex B in the previous edition) is provided for non-XML users as a reference only.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
111/498/FDIS	111/503/RVD

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

This document 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 document will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific document. At this date, the document will be the vertex of the document will be the vertex of the document will be the vertex of the document.

reconfirmed, •

(standards.iteh.ai)

withdrawn, •

IEC 62474:2018 replaced by a revised edition or replaced by a revised edition of standards/standards/sist/ea238b61-37d6-42bf-83d5-

amended. •

.

e64ec4639a8b/iec-62474-2018

IMPORTANT – The 'colour inside' logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.

INTRODUCTION

This document benefits the electrotechnical industry by establishing requirements for reporting of material declaration data, standardizing protocols, and facilitating the transfer and processing of data. Material declarations are used by the electrotechnical industry to track and declare specific product information used for compliance and/or environmentally conscious design (ECD) considerations. To simplify requirements across the supply chain and to improve economic efficiencies, it is important to standardize the exchange of product, product part, material and substance data, and provide requirements within material declarations.

IEC 62474 is made of two parts: this document, which contains requirements for material declarations and a database containing information such as a declarable substance list (DSL), exemption list and data exchange format (see Clause 8).

This document defines the two most common types of material declarations and their requirements:

- Declaration for compliance is always at a product level in reference to the list of declarable substances and declarable substance groups within the IEC 62474 declarable substance list (DSL).
- 2) Composition declaration is the much more detailed product part level reporting down to individual substances contained within the IEC 62474 DSL.

The IEC 62474 database is maintained by the validation team (VT 62474) which updates information in the IEC 62474 database based on requirements specified in the IEC 62474 standard (see Clause 8).

By fulfilling the requirements of the IEC<u>162474/standard</u> and based on the information from the IEC 62474 databasest two types of declaration/can be created as shown in Figure 1 below. e64ec4639a8b/iec-62474-2018

- a declaration for compliance which is the information required to determine product compliance with substance regulations and market needs (see 4.4);
- a composition declaration that is the information required to assess where declarable substances above threshold are contained in the product (see 4.5).

The transmission of information in the supply chain can be done in two modes:

- Distribution mode: The supplier provides material declaration data about their product(s) to a recipient.
- Requester/responder mode: The requester determines the type of material declaration(s) the responder will provide.



iTeh STANDARD PREVIEW Figure 1-15C 62474 principles

The IEC 62474 principles are determined in the following clauses:

- Clause 4 specifies requirements for material declarations.
- Clause 5 specifies the criteria and thresholds for declarable substances (DSs), declarable substance groups (DSGs) and material classes in the IEC 62474 database.
- Clause 6 specifies the criteria for exemption lists in the IEC 62474 database.
- Clause 7 specifies the IEC 62474 database data format and exchange requirements with further information in Annex A (informative).
- Clause 8 specifies the IEC 62474 database maintenance process.

MATERIAL DECLARATION FOR PRODUCTS OF AND FOR THE ELECTROTECHNICAL INDUSTRY

1 Scope

This document specifies the procedure, content, and form relating to material declarations for products and accessories of organizations operating in and supplying to the electrotechnical industry. Process chemicals, emissions during product use and product packaging material are not in the scope of this document.

The main intended use of this document is to provide data up and down the supply chain that:

- allows organizations to assess products against substance compliance requirements,
- allows organizations to use this information in their environmentally conscious design process and across all product life cycle phases.

This document specifies mandatory declaration requirements and also provides optional declaration requirements.

This document does not suggest any specific method or process to capture material declaration data in the supply chain. However, it provides a data format used to transfer information within the supply chain. Organizations have the flexibility to determine the most appropriate method to capture material declaration data without compromising data utility and quality. This document is intended to allow reporting based on engineering judgement, supplier material declarations, and/or sampling and testing.

https://standards.iteh.ai/catalog/standards/sist/ea238b61-37d6-42bf-83d5foroncoe e64ec4639a8b/iec-62474-2018

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 61360-1, Standard data element types with associated classification scheme – Part 1: Definitions – Principles and methods

IEC 61360-2, Standard data element types with associated classification scheme for electric components – Part 2: EXPRESS dictionary schema

ISO/IEC Directives, IEC Supplement, *Procedures specific to IEC*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at http://www.electropedia.org/
- ISO Online browsing platform: available at http://www.iso.org/obp

article

object which during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition

[SOURCE: EU REACH Regulation (EC) No.1907/2006, Article 3]

3.2

composition declaration

quantitative declaration of substances contained within a product, product part, or material as applicable

3.3

data exchange format

data elements and attributes specified in an XML schema and developer's table to support a material declaration exchange

3.4

declaration for compliance

declaration regarding the presence or absence of declarable substances and declarable substance groups with mandatory reporting requirements in the IEC 62474 declarable substance list relative to a reporting threshold level for a defined reportable application

3.5 declarable substance Teh STANDARD PREVIEW DS

substance that meets specified criteria for reporting teh.ai)

Note 1 to entry: Criteria for declarable substances within the IEC 62474 DSL are specified in Clause 5. https://standards.iteh.ai/catalog/standards/sist/ea238b61-37d6-42bf-83d5-Note 2 to entry: This note applies to the French language only 474-2018

3.6

declarable substance group

DSG

substance group that meets specified criteria for reporting

EXAMPLE Chromium (VI) compounds.

Note 1 to entry: Criteria for declarable substance groups within the IEC 62474 DSL are specified in Clause 5.

Note 2 to entry: This note applies to the French language only.

3.7

declarable substance group substance(s)

DSG substance(s)

substance(s) that belongs to a declarable substance group

3.8

declarable substance list

DSL

list of declarable substances and/or declarable substance groups each with a reporting threshold for a reportable application(s) which has a mandatory or optional reporting requirement when contained at or above its maximum threshold value within a product, product part or material

Note 1 to entry: This note applies to the French language only.

declaration hierarchy

tree-like structure containing one or more branches that represents the relationship between product, product part(s), material(s) and/or substance(s) within a material declaration

Note 1 to entry: Figure 5 demonstrates a declaration hierarchy with a single branch

3.10

exemption

allowance for the use of regulated declarable substances or declarable substance groups above their threshold(s) as defined in laws or regulations

3.11

list authority

designated owner of a list

Note 1 to entry: The list authority is used in conjunction with the list identity and list version.

3.12

list entry identity

parameter used to identify a specific entry within a defined list

Note 1 to entry: The IEC 62474 DSL entry identity would be used to identify a specific declarable substance or declarable substance group within its list.

3.13 iTeh STANDARD PREVIEW

parameter used to identify a specific list dards.iteh.ai)

Note 1 to entry: The list identity is used in conjunction with the list authority and list version.

3.14https://standards.iteh.ai/catalog/standards/sist/ea238b61-37d6-42bf-83d5-list versione64ec4639a8b/iec-62474-2018

parameter used to identify a specific version of a list

Note 1 to entry: The list version is used in conjunction with the list authority and list identity.

3.15

material

substance or mixture of substances within a product or product part

3.16

material class

defined classification of materials that are established in the referenced IEC 62474 database for purposes of inventorying aspects of a product, such that no two classes contain the same materials

Note 1 to entry: If a material falls under multiple material classes, such as copper zinc alloy which can fall under copper and its alloys or zinc and its alloys, the substance with the largest mass within the material should take precedence.

3.17

material declaration

declaration of certain substances and/or substance groups contained within a product, product part, or material as applicable

Note 1 to entry: The declaration might be a composition declaration, where the amount of the declared substance or substance group is provided or it might be a declaration for compliance, where only the presence or absence of the declared substance or substance group is provided.

mixture

composite or solution composed of two or more substances in which they do not react

Note 1 to entry: An alloy is treated as a mixture.

3.19

product

any goods or service

Note 1 to entry: This general definition of product is, in the context of this document, limited to any product of the product category "hardware" according to ISO 9000:2015, 3.7.6 of and for the electrotechnical and electronic industry (E&E).

Note 2 to entry: This general definition of product(s) used in Clause 4 specifies any goods or service of the responder.

3.20

product family

group of products each of which contains the same substances or material at a similar concentration level

Note 1 to entry: A common case would be an electrical component supplier having many products of the same substance content that have different electrical values, such as a capacitor, resistor, inductor or an integrated circuit.

3.21 product part sub-unit of a product iTeh STANDARD PREVIEW (standards.iteh.ai)

Note 1 to entry: A product part can be a sub-unit of another product part.

IEC 62474:2018 Note 2 to entry: If a standard product part e.g. a cable of 1 m length is declared as product part, only portions of it might be physically present in the product. e64ec4639a8b/iec-62474-2018

3.22

reference substance

individual substance entry within the reference substance list

3.23 reference substance list RSL

list of substances belonging to declarable substance groups in the declarable substance list

Note 1 to entry: The list of substances in the RSL for a DSG may or may not be a complete or exhaustive list.

Note 2 to entry: This note applies to the French language only.

3.24

reportable application

intended use of a declarable substance or declarable substance group which determines its relevance for disclosure

Note 1 to entry: The use of reportable applications may be applicable to declarable substances, declarable substance groups, product parts and materials. Examples of product parts and materials are batteries, textiles and wood.

Note 2 to entry: As legislations have different scopes for some declarable substances, declarable substance groups, product parts or materials, more than one reportable applications are provided in the IEC 62474 database. This information supports the downstream manufacturer in the assessment against declarable substance compliance requirements.

reporting threshold level

concentration limit at or above which the presence of a declarable substance in a material, product part or product is declared

3.26

requester

organization or individual that requests a material declaration

Note 1 to entry: The requester is sometimes referred to as the manufacturer.

3.27

responder

organization or individual that provides a material declaration

Note 1 to entry: The responder is sometimes referred to as the supplier.

3.28

substance

chemical elements and their compounds in the natural state or obtained by any production process, including any additive necessary to preserve the stability of the product and any impurities deriving from the process used, but excluding any solvent which may be separated without affecting the stability of the substance or changing its composition

[SOURCE: Globally Harmonized System of Classification and Labelling (GHS):2017, Chapter 1.2, Definitions and Abbreviations]

3.29

(standards.iteh.ai)

substance group

two or more substances, that share at least one chemical sub-structure, or chemical or physical property under ageneric name log/standards/sist/ea238b61-37d6-42bf-83d5e64ec4639a8b/iec-62474-2018

3.30 validation team 62474 VT 62474

validation team for maintenance of the IEC 62474 database

Note 1 to entry: The validation team (VT 62474) is a permanent, "executive" group of experts appointed by and acting as delegates on behalf of their National Committees to validate proposed items and vote for their release as part of a database standard.

Note 2 to entry: See ISO/IEC Directives, IEC Supplement.

Note 3 to entry: This note applies to the French language only.

4 Requirements for material declarations

4.1 General

4.1.1 Overview

Clause 4 describes the requirements for material declarations as specified in 4.1 through 4.7. Figure 2 below shows the concept of material declaration capabilities. Some subclauses, such as business information, are required while other subclauses, such as material classes, are optional. The material declaration shall include a declaration for compliance (4.4) or a composition declaration (4.5). It may also include both.



Figure 2 – Material declaration capabilities

- Material declaration: specifies the basic rules for a material declaration (4.1).
- Business information: specifies the business information, such as company name and contact information (4.2).
- Product information: specifies the product and its attributes associated with the material declaration (4.3).
- Declaration for compliance specifies the information required to assess product compliance (4.4).
- Composition declaration: specifies the information about substances, materials, and/or product parts contained in the product (4.5).
 e64ec4639a8bicc-62474-2018
- Material class declaration: specifies the information required for an optional material class declaration (4.6).
- Query list: specifies a list of statements with true/false responses (4.7.1).
- Attachments: specifies the capability to include supporting documents within a material declaration (4.7.2).

Figure 3 summarizes what elements are mandatory, optional, or conditional in a declaration for compliance and a composition declaration.