

Frequently Asked Questions about the Material Declaration of Beryllium Oxide in Products FAQ 305

Does IEC 62474 - Material Declaration for Products of and for the Electrotechnical Industry ban or restrict the use of beryllium oxide in products?

No. The use of beryllium oxide and beryllium-containing materials is not banned, restricted or otherwise limited by IEC 62474 - Material Declaration for Products of and for the Electrotechnical Industry.

Is beryllium oxide declarable under IEC 62474?

Yes. Beryllium oxide is listed for declaration and reporting in IEC 62474. However, beryllium oxide content is only declarable if the concentration of beryllium oxide exceeds 0.1% (1,000 ppm) in the product or component. The actual concentration of beryllium oxide in a product or component is determined using the total weight of beryllium oxide contained in the product or component divided by the total weight of the product or component.

What is the IEC 62474 - Material Declaration for Products of and for the Electrotechnical Industry?

IEC 62474 - Material Declaration for Products of and for the Electrotechnical Industry is a voluntary standard originally developed by the Consumer Electronics Association (CEA®), DIGITALEUROPE and the Japanese Green Procurement Supply Standardization Initiative (JGPSSI), adopted by the International Electrotechnical Commission and supported by companies in the electronics industry. The purpose of the IEC 62474 is to provide a simple, effective system for the declaration and reporting of material content in electrical and electronic equipment. The IEC 62474 covers specific materials and substances that are present in products or components in electrical and electronic equipment.

What materials and substances are covered in IEC 62474?

IEC 62474 covers the declaration and reporting of specific materials and substances when present in electronic products and components at or above specified concentrations. The materials and substances included on the IEC 62474 Declarable Substance List are those that meet one of the following three criteria:

Criteria 1 – R (Regulated) - Substances that are subject to enacted legislation that (a) prohibits their use; or (b) restricts their use; or (c) requires reporting or results in other regulatory effects (e.g., labeling) and where the substance-specific effective date is currently in effect or scheduled to go into effect within the next 24 months.

Criteria 2 – A (For Assessment Only) - Substances that are likely to be subject to enacted legislation where the substance-specific effective dates of the regulatory requirements are uncertain.

Criteria 3 – I (For Information Only) - Substances that are not regulated, but where there is a recognized market requirement for reporting their content in electrotechnical products. Reporting is used to facilitate company assessment regarding widely adopted industry environmental agreements or standards.

Beryllium oxide is included on the IEC 62474 Declarable Substance List as a Criteria 3 - I due to the DIGITALEUROPE/CECED/AeA/EERA industry agreement which establishes a process to identify the location of beryllium oxide ceramic parts within EEE to improve handling at end of life management.

Where can I get a copy of IEC 62474?

A copy of IEC 62474 can be obtained at <http://www.iec.ch/> or by calling +1-508-755-5663.

How can I obtain assistance?

If you have any questions regarding the above information, please contact your sales representative; our sales department at +1-216-486-4200; or the Product Safety Hotline at 1-800-862-4118 (in the U.S.) or +1-216-383-4019 (outside the U.S.). This document, as well as other product specific safety data information, can be found at www.materion.com. Additionally, information on the Beryllium Worker Protection Model and process specific safety guidance can be found in the Interactive Guide to Working Safely with Beryllium and Beryllium-containing Materials at www.berylliumssafety.com.