

Frequently Asked Questions about the Material Declaration of Beryllium Oxide in Products FAQ305

Does the Joint Industry Guide for Material Composition Declaration in Electronic Products ban or restrict the use of beryllium oxide in products?

No. The use of beryllium oxide is not banned, restricted or otherwise limited by the Joint Industry Guide for Material Composition Declaration for Electrotechnical Products (“JIG 101 Ed. 4.0”).

What is the Joint Industry Guide for Material Composition Declaration in Electronic Products?

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

What materials and substances are covered in the JIG?

The JIG 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 JIG 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 JIG 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.

Is beryllium oxide declarable under the JIG?

Yes. Beryllium oxide is listed for declaration and reporting in the JIG. 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.

Where can I get a copy of the JIG?

A copy of the JIG can be obtained at www.ce.org/JIG or by calling (703) 907-7634. You can also obtain a copy of the JIG by contacting the Materion Ceramics Inc. Product Safety Hotline at (800) 862-4118.

How can I obtain assistance?

If you have any questions regarding the above information, please contact your sales representative or call the Product Safety Hotline at (800) 862-4118. Get product specific material safety data information at www.materion.com.