



Couëron, France, 04/02/2026

Dear Valued Customer,

The NGK Insulators group is a world leader in the manufacture of beryllium-copper alloys. As such, we have always had a policy to provide our customers with safe and environmentally friendly products, which fully comply with current legislation, to ensure the sustainability of our services. As a leading manufacturer in Europe, we actively participate in European studies on substances used in our products, in particular beryllium, key element in our high-performance alloys. You will find below the situation of our products vis-à-vis the main European Regulations and Directives that concern them: REACH, RoHS, ELV, CMD, Conflict Minerals.

In short:

- ***Our copper-beryllium and copper-nickel-tin alloys are compliant with European REACH regulation, and European RoHS and ELV Directives.***
- ***Only our Berylco 33/25 alloy (CuBe2Pb in rods and wires) contains lead at a low content, included on 27th June 2018 in the ECHA candidate list.***

1. REACH Regulation

The main objective of the European REACH Regulation (Registration, Evaluation, Authorization, and restriction of CHemicals - 1907/2006/EC) is to improve the protection of the human health and the environment. Under the scope of the REACH Regulation, in Europe, we import, process and supply **articles** ("object which is given a special shape which is more decisive for its function than its chemical composition"), which are not submitted to the same obligations than substances or mixtures. However, as an important actor of the beryllium industry, we have contributed to register the Beryllium substance (No. 01-2119487146-32-0003) in REACH because it is an opportunity for us to communicate positively about our products and to demonstrate scientifically that beryllium metal is, like many other metals, safe when used correctly.

⌚ List of Substances of Very High Concern (SVHC)

Since the 28th of October 2008, the European CHemicals Agency (ECHA) has published an initial candidate list of Substances of Very High Concern (SVHC), for possible inclusion in Annex XIV of the Regulation (substances under authorization). This list is updated every 6 months. The last SVHC candidate list published on **4 February 2026** brings to **253** the number of relevant substances, available on the ECHA website (<http://echa.europa.eu/web/guest/candidate-list-table>).

Beryllium, cobalt, nickel, aluminum, tin and copper metals, that we use in our alloys, are not in the SVHC list. Our alloys Berylco 25, 165, 14, 8 and 7 (CuBe2 and CuNi2Be), and our GMX96 and 215 alloys (CuNiSn), are therefore in compliance with the REACH Regulation, in the sense that they do not contain any SVHC substance.


 EN 9100 ISO 14001
ISO 9001 ISO 45001

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Situation of **beryllium**, key element in our alloys: the BAuA, German Institute of Occupational Health and Safety, has published in November 2016, the outcomes of the Risk Management Option Analysis (RMOA) regarding Beryllium: **Beryllium will not be included in the REACH SVHC candidate list**. For more information, don't hesitate to contact us ([RMOA Beryllium](#)).

Lead metal, ONLY present in the Berylco 33/25 alloy (CuBe2Pb), has been included in the SVHC list (from the 27th of June 2018).

The European Chemicals Agency ECHA has decided to include Lead metal in the candidate list. We declare that only our free machining alloy Berylco 33/25 (distributed in form of rods) contains lead at a level greater than 0.1 % by weight (0.6 % max.). The low addition of lead in this alloy is essential and not substitutable to provide it a very good machinability. We have registered "Berylco 33/25 in rods" in the SCIP database of ECHA (Substances of Concern In articles as such or in complex objects, Products).

UUID (Universal Unique Identifier) article: **33e4d665-ee50-412a-8340-3d955ee7fee4**

REACH restrictions (annex XVII) for general public uses

It should be noted the following restrictions in the REACH Regulation:

- Entry 27: Nickel prohibited in jewelry articles
- Entry 28: Beryllium and Cobalt (substances and mixtures) reserved for professional use
- Entry 63: Lead prohibited in jewelry articles and articles dedicated to children

2. RoHS and ELV Directives

RoHS Directive

The European RoHS Directive 2015/863/EU (Restriction of Hazardous Substances - Directive 2015/863 that entered into force on 22 July 2019, amending Annex II to Directive 2011/65/EU) applies to Electrical and Electronic Equipment (EEE).

It should be noted that:

- Beryllium is not in the list of the 10 controlled substances. A recent assessment of several substances including beryllium, published by the European Commission in February 2021, does not recommend a restriction for beryllium ([RoHS Pack 15 EC Study](#) November 2020).
- our copper-beryllium Berylco 33/25 alloy contains some lead, which is among the 10 substances subject to limitation, but at a content not exceeding 4 % by weight (see annex III of the RoHS directive, exemption 6C for the copper alloys containing up to 4% lead by weight).

All our copper alloys are compliant with the RoHS directive.

There is no current or future restriction on the use of beryllium-copper as indicated by our "RoHS Ready" logo.

ELV Directive

The European ELV Directive 2000/53/EC (End of Life Vehicle) is addressed to manufacturers or importers of vehicles. Beryllium is not among the 4 prohibited substances (lead, mercury, cadmium, hexavalent chromium). It should be noted that our copper-beryllium Berylco 33/25 alloy contains some lead, but at a content not exceeding 4 % by weight (see annex II of the ELV directive, exemption 3 for the copper alloys containing up to 4% lead by weight, Directive 2013/28/EU (17th May 2013) amending annex II of the Directive 2000/53/EC).

All our copper alloys are compliant with the ELV directive.



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Compliance and sustainability of Berylco Products

Our beryllium copper alloys have unique properties that cannot be replaced by any other material. Beryllium, key element of our alloys, features an exceptional not substitutable combination of properties. Due to its economic importance, its origin outside Europe, and because it is not substitutable, beryllium is in the current list of **34** Critical Raw Materials (CRM) to the European Union. Beryllium has been included in the CRM list since the first list in 2011. The compliance of our alloys with legislation in force, their essential uses, and the strong worldwide growing demand, ensure their continued sustainability.

We are at your disposal for more information on NGK BERYLCO products and their compliance with regulations and directives.

Please contact **Angélique RENIER**, in charge of these issues in our organization:

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Please note that the latest information are available on our website, environment section:

<http://www.ngk-alloys.com/environment.html>

We thank you for your continued support and look forward to assisting you in the future. Yours sincerely,

Angélique RENIER
Environment Manager

Gabriel UNQUERA
President



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