

Beryllium Benefits



Allows miniaturisation and reduced raw material utilisation

Increases product longevity

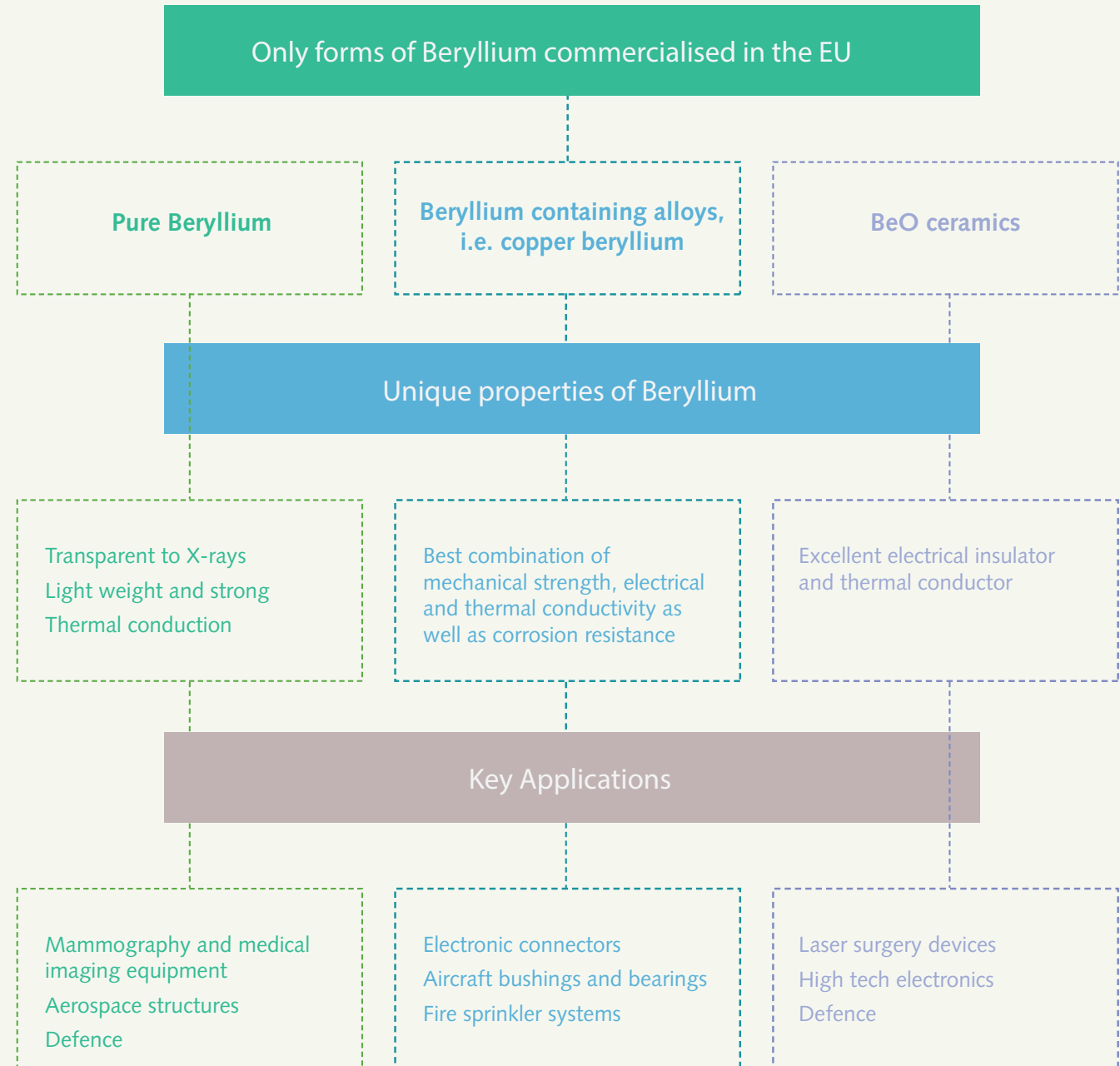


Increases product performance and reliability

Used in life-saving technologies



No production of Beryllium in the EU



Beryllium Life Cycle

Beryllium's life cycle consists of the following four stages :

I. Import

II. Processing

III. Use

IV. Recycle

Beryllium is necessary in the Recycling of Magnesium and Aluminium Magnesium

(light metal alloys used by automobile industry)

Few ppm of beryllium are used as an additive to prevent molten magnesium and its alloys from catching fire during the recycling stage. A few ppm of beryllium are also used in aluminium magnesium alloys, increasing the yield and quality considerably and saving energy. Without beryllium, there would be no production or recycling of these light weight metals in Europe.

04 RECYCLE

Recycling beryllium-containing alloys has no negative impact on the health of workers or on the environment. Workers in the recycling sector are also protected by OELs (inside and outside EU) and good practices.

Given that there is only a few ppm of beryllium in all collected copper alloys, its presence does not impact the purity of the copper stream, nor does it constitute an impurity. The small amount of beryllium used in copper-beryllium alloys (CuBe) and the very small size of parts renders its recovery and recycling as pure metal technically and economically not feasible.

