

**Question for written answer E-004855/2016  
to the Commission**

Rule 130

**Damiano Zoffoli (S&D)**

Subject: Perfluorinated alkylated substances and the endocrine system

Many studies have confirmed that perfluorinated alkylated substances (PFASs) have effects on the endocrine system.

PFASs refer to a group of fluorinated carbon-chain chemicals. They are man-made chemicals used in a wide range of products such as stain, grease and water repellents. PFASs are found in fast-food packaging, paper plates, stain-resistant carpets, carpet cleaning solutions, windshield washer fluid and firefighting foam, as well as in some adhesives, cosmetics, pharmaceuticals, electronics, cleaning products, polishes, waxes, insecticides and paints. These compounds are highly persistent in the environment.

Many studies have confirmed that PFASs can have multiple effects on the endocrine system, interfering with nuclear receptors, disrupting steroidogenesis and affecting the normal gene expression patterns related to the endocrine system *in vitro* and *in vivo*.

Accordingly, is the Commission giving consideration to these compounds in the context of the proposal for science-based criteria for endocrine disruptors, as required by the Plant Protection Products Regulation and the Biocidal Products Regulation?