



EUROPEAN COMMISSION

Directorate-General for Internal Market, Industry, Entrepreneurship and SMEs

Resources Based, Manufacturing and Consumer Goods Industries
Health Technology and Cosmetics

SCIENTIFIC COMMITTEE ON CONSUMER SAFETY (SCCS)

Request for a scientific opinion on Platinum (nano) - Colloidal Platinum (nano) [CAS No 7440-06-4, EC No. 231-116-1] and Acetyl tetrapeptide-17 Colloidal Platinum (nano) [CAS and EC No. not available].

Commission Department requesting the Opinion: Directorate-General for Internal Market, Industry, Entrepreneurship and SMEs

1. Background

Article 2(1)(k) of Regulation (EC) No 1223/2009 (Cosmetics Regulation) states that 'nanomaterial' means an insoluble or biopersistent and intentionally manufactured material with one or more external dimensions, or an internal structure, on the scale from 1 to 100 nm.

That definition covers only materials in the nano-scale that are intentionally made and are insoluble/partially-soluble or biopersistent (e.g. metals, metal oxides, carbon materials, etc.). It does not cover those that are soluble or degradable/non-persistent in biological systems (e.g. liposomes, emulsions, etc.). Article 16 of the Cosmetics Regulation requires cosmetic products containing nanomaterials other than colorants, preservatives and UV-filters and not otherwise restricted by the Cosmetics Regulation to be notified to the Commission six months prior to being placed on the market. Article 19 of this Regulation requires nano-scale ingredients to be labelled (name of the ingredient, followed by 'nano' in brackets). If there are concerns over the safety of a notified nanomaterial, the Commission shall refer it to the Scientific Committee on Consumer Safety (SCCS) for a full risk assessment.

The Commission services received under Article 16 of the Cosmetics Regulation via the Cosmetic Product Notification Portal (CPNP):

- 18 notifications for cosmetic products containing Platinum (10 notifications) and Colloidal Platinum (8 notifications) with CAS No 7440-06-4 and EC No. 231-116-1 in nano form, as reported in the attached list. Platinum is reported in CosIng database with the following functions: antimicrobial, antioxidant and skin conditioning, whereas Colloidal Platinum is reported with antimicrobial, antioxidant and deodorant function. In both cases, there is no reference to the nano forms and they are not regulated under the Cosmetic Regulation (EC) No 1223/2009. According to the notifications submitted, both ingredients (Platinum and Colloidal Platinum) are used in nano form in leave-on and rinse-off skin cosmetic products with different concentration and specifications as reported in the attached list.

- 13 notifications for cosmetic products containing Acetyl tetrapeptide-17 Colloidal Platinum [CAS and EC No. not available] in nano form, as reported in the attached list. Acetyl tetrapeptide-17 Colloidal Platinum (nano) is not reported in the CosIng database. According to the notifications

submitted, this ingredient is used in leave-on and rinse-off skin care cosmetic products, with different concentrations and specifications as reported in the attached list.

The Commission has concerns on the use of Platinum - Colloidal Platinum and Acetyl tetrapeptide-17 Colloidal Platinin in nano form because of the potential for nanoparticles to be absorbed dermally or across a mucous membrane and to enter cells. Therefore, we request the SCCS to carry out a safety assessment of the nano form of Platinum - Colloidal Platinum and Acetyl tetrapeptide-17 Colloidal Platinin in nano Platinum and Colloidal Platinum reported in the notifications listed in the annex to this mandate.

2. Terms of reference

(1) In view of the above, and taking into account the scientific data provided:

a) does the SCCS consider the nanomaterials Platinum and Colloidal Platinum safe when used in leave-on and rinse-off skin cosmetic products according to the maximum concentrations and specifications reported in the attached list, taking into account reasonably foreseeable exposure conditions?

b) does the SCCS consider the nanomaterial Acetyl tetrapeptide-17 Colloidal Platinum safe when used in leave-on and rinse-off cosmetic products according to the maximum concentrations and specifications reported in the attached list, taking into account reasonably foreseeable exposure conditions?

(2) Does the SCCS have any further scientific concerns with regard to the use of

a) Platinum and Colloidal Platinum in nano form in cosmetic products?

b) Acetyl tetrapeptide-17 Colloidal Platinum in nano form in cosmetic products?

3. Deadline: six months from reception

4. Supporting documents

List of notifications of cosmetic products containing Platinum - Colloidal Platinum and Acetyl tetrapeptide-17 Colloidal Platinum in nano form received through the Cosmetic Products Notification Portal (CPNP).

The SCCS adopted this mandate at the SCCS plenary meeting on 30/31 October 2019.