



August 2015

Newsflash

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Dear reader,

Could nanoparticles be used to treat acne? And what are the US Food and Drug Administration's (FDA) thoughts on nanomaterials in animal food? Learn more in the August newsflash of the Innovation Society. We wish you an inspiring reading and we are looking forward to receiving your feedback!

Kind regards

The Innovation Society

Annotations by the Innovation Society

Regulation of nanomaterials

Several companies have appealed a decision by ECHA, demanding them to provide more information on a nanomaterial registration dossier. The companies argue that ECHA thereby exceeds the limits of its authority.

Canada is the next country to introduce generic requirements for manufacturers and importers of nanomaterials. Companies which produced or imported more than 100 kg thereof in 2014 must provide certain information to the Department of Environment.

Chances and risks of nanomaterials

Good news on graphene: Its outstanding thermal conductivity offers a range of opportunities. Current examples include the use in combustion engines or light bulbs for increased efficiency, the latter application being close to commercial launch. In spite of those promising news, the installed graphene production capacity still largely exceeds the

demand.

Members of the project MARINA (FP-7) have published the results on the comprehensive in vitro tests they performed on a number of nanomaterials. The results are expected to contribute to the development of an 'intelligent testing strategy (ITS)' for the risk assessment of nanomaterials.

Nanoparticles to treat acne



George Washington University researcher and dermatologist, Adam Friedman, M.D., and colleagues, find that the release of nitric oxide (NO) over time may be a new way to treat and prevent acne through nanotechnology. This research identified that the nanoparticles were effective at killing *Propionibacterium acnes*, the gram positive bacteria associated with acne, and even more importantly, they inhibited the damaging inflammation that result in the large, painful lesions associated with inflammatory acne. [Read more](#)

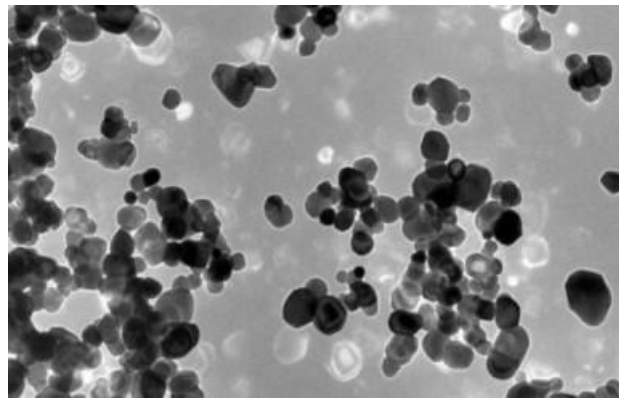
Nanomaterials in food for animals: FDA guidance published



The U.S. Food and Drug Administration has issued a final

guidance for industry, 'Use of Nanomaterials in Food for Animals', which is intended to assist industry and other stakeholders in identifying potential issues related to safety or regulatory status of food for animals containing nanomaterials or otherwise involving the application of nanotechnology. This guidance is applicable to food ingredients intended for use in animal food which (1) consist entirely of nanomaterials, (2) contain nanomaterials as a component or (3) otherwise involve the application of nanotechnology. [Read more](#)

Review of the EU Definition of Nanomaterials



The Joint Research Centre of the European Commission (JRC) has published science-based options to improve the clarity and the practical application of the EC recommendation on the definition of a nanomaterial. This is the last JRC report in a series of three, providing the scientific support to the Commission in its review of the definition used to identify materials for which special provisions might apply (e.g. for ingredient labelling or safety assessment). The Commission's review process continues, assessing the options against policy issues. [Read more](#)

Tracking Nanoparticles in the Environment

NanoUmwelt

Due to their exceptional properties, nanomaterials are used in clothes, cosmetics, household goods, paints etc. But where do

they end up? What impact do they have on humans and the environment? In order to find answers to these questions, 11 partners from business and science, as well as Federal and State authorities are developing new, innovative methods for precise and safe evaluation of nanomaterial contamination and the resulting risk potential for humans and the environment within the framework of the project "NanoUmwelt: risk analysis of engineered nanomaterials in the environment". [Read more](#)

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