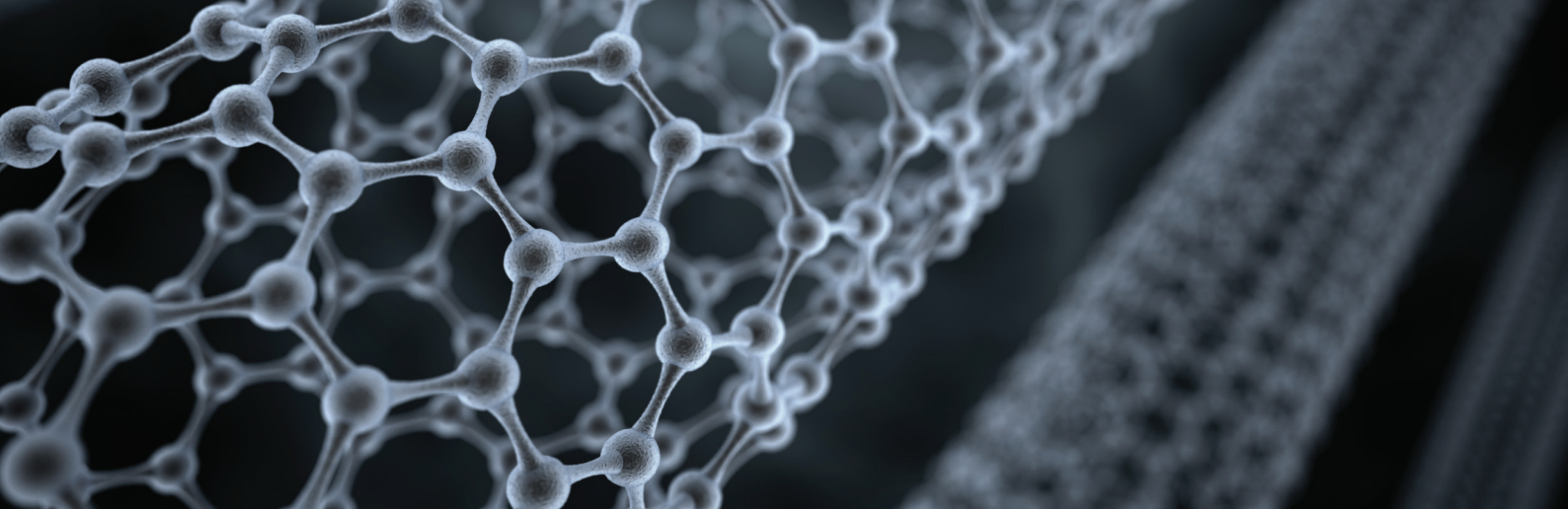


Service sheet

Does size matter? REACH support on nanomaterials

Arcadis supports chemical companies to obtain REACH compliance for the nanomaterials they manufacture, import, place on the market (e.g. included in articles) or use in their industrial processes.



OUR EXPERIENCE

- We follow major developments and regulatory requirements in the field of nanomaterials closely, as well as the latest technical developments and discussions concerning nanomaterial characterisation, hazard/exposure/risk assessment, and grouping.
- We support several companies on the characterisation of their nanomaterials and are involved in method optimisation for several types of inorganic nanomaterials.
- We have broad experience with analytical laboratories and lab testing for nanomaterials.
- We develop endpoint coverage strategies (testing, grouping, read across) for several types of inorganic nanomaterials, some of which will be covered under a single dossier together with bulk forms.
- We have worked out a conceptual framework for assessment and grouping of nanomaterials in a regulatory context and contributed to the discussion on grouping strategies for nanomaterials in several scientific fora.
- We offer expertise in nanomaterials testing as well as hazard/risk assessment under REACH.

HOW CAN WE SUPPORT YOU?

- We assist in the screening of your product portfolio for potential nanomaterials with a REACH registration obligation.
- We provide technical advice on the characterisation of potential nanomaterials (e.g. primary and secondary particle size distribution, Volume Specific Surface Area) allowing identification of nanomaterials complying with the prevalent definition in the EU.
- We set up method optimisation work in cooperation with experienced research institutes or contract research organisations (e.g. for sample preparation and determination of particle size distribution), based on the state of the art in method development.
- We advise on the REACH registration strategy of your identified nanomaterials (i.e. which registrations are needed).
- We advise on endpoint coverage strategies, set up intelligent testing strategies, and develop grouping strategies, guaranteeing efficient allocation of time and budget.
- We support with the demonstration of safe use of your nanomaterials.
- We help you develop a tiered strategy, taking into account the fact that provisions on nanomaterials have not yet been included in the REACH text and that the available guidance fails to provide clear information on several aspects of nanomaterial characterisation and evaluation.
- We support in the interaction and discussion with the European Chemicals Agency and competent authorities concerning your registration dossiers covering nanomaterials.

About Arcadis

Arcadis is the leading global Design & Consultancy firm for natural and built assets. Applying our deep market sector insights and collective design, consultancy, engineering, project and management services we work in partnership with our clients to deliver exceptional and sustainable outcomes throughout the lifecycle of their natural and built assets. We are 29,000 people, active in over 70 countries that generate €3.4 billion in revenues. We support UN-Habitat with knowledge and expertise to improve the quality of life in rapidly growing cities around the world.

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