



Ignite
imagination.

Inspire
change.



PostDoc Formulation process development (f/m/d) Kaiseraugst - On Site

What you'll do

As a Chemical / Process Engineer within our DSM's R&D Formulation Center in Kaiseraugst, you will focus on the (conceptual / basic) design of formulation equipment and processes aiming at product form development in lab- and mini plant-scale with a dynamic team in a modern and creative environment. Many of DSM's active ingredients are hydrophobic, and need innovative and cost-efficient formulation processes to ensure their stability and bioavailability. You will work specifically on developing the next generation of sustainable formulation processes for DSM's active ingredients. Our multidisciplinary formulation center will offer you a great support network as well as an excellent opportunity to deepen your expertise and hands-on experience in designing formulation equipment and processes.

We bring

- A team of diverse employees who aren't afraid to think outside of the box
- A truly global and collaborative team that cares about the experience of our employees
- The encouragement you need to develop and achieve
- A caring and supportive environment where you're empowered to grow and share your ideas
- A safe, inclusive workplace where you feel welcome

Your key responsibilities

- Develop innovative formulation processes and equipment used for hydrophobic active ingredients (e.g. fat-soluble vitamins and carotenoids)
- Design, adapt, and implement state-of-the-art formulation equipment and processes such as particle build-up and/or micronization technologies (e.g. rotor-stator, high-pressure homogenizer) and evaporators (e.g. thin-film evaporator) in the low liter scale.
- Prepare a variety of engineering deliverables including PFDs, P&IDs, and technical specifications.
- Advise the project teams on the feasibility, implementation, and commissioning of newly developed products/processes from lab to mini plant and/or production scale.
- Participate in internal design reviews as well as in reviews with external suppliers and internal stakeholders.
- Support of mini plant operations with trouble shooting and maintenance.
- Carry out risk analyses.
- Comply with the SHE specifications and implementation of the requirements.

You bring

- Doctoral degree in chemical and/or engineering discipline such as chemical engineering, process engineering or comparable studies.
- Experience in controlled particle formation and/or (computational) fluid dynamics are an asset.
- Strong affinity to artificial intelligence focusing especially on machine learning is an asset.
- 1+ years of professional or internship hands-on experience with process related projects, ideally hands-on experience with formulation technologies (e.g. dispersing, solubilizing, emulsifying) and equipment (e.g. high-pressure pumps, evaporators).
- Very good command of German and English (oral and writing) mandatory.
- Strong passion for engineering, strong team player with good written and oral communication skills in a multinational, fast-paced matrix R&D organization.

About Research & Development

Our Innovation, Research & Development team propels our business into the future, with new discoveries at every corner. They work collaboratively with different departments and industry experts to make a positive difference to the future of millions of people and the planet we all share. Our Innovation, Research & Development team is committed to seeing opportunities where others can't, and boldly create innovative solutions that are safe, sustainable and life-changing.

How to apply

Interested in this position? Please apply by sending us your cv & motivation letter, reference letters and diplomas via mail to Marie Luber, People Partner EMEA (marie.luber@dsm.com). For specific questions please contact Roland Schex, Scientist within Formulation (roland.schex@dsm.com). The recruitment process will be handled via DSM, the contract will be via an external company.