

## Formulation Chemist

OrganoClick is searching for a skilled and creative formulation chemist which will be part of OrganoClick's research and development group.

### *About the company*

OrganoClick is a young, innovative materials- and chemicals technology company developing and supplying environmentally friendly materials and chemical products to the textile, construction and packaging industry. OrganoClick's technology for modification of bio-fibres originates from scientific research at Stockholm University and the Swedish University of Agricultural Sciences. Applications include flame and rot protected wooden products, water resistant paper materials and water repellent textiles. The company has been awarded numerous prizes and has been appointed as "Sweden's most promising start-up company" and been appointed as a Climate Solver by the World Wildlife Foundation – WWF.

### *Job description*

As a formulation chemist you will be part of OrganoClick's R&D-department and actively take part in many of OrganoClick's development projects. Job tasks include theoretical and practical work related to OrganoClick's chemical products including blending and emulsifying formulations.

You will be part of projects operating in all of OrganoClicks business areas (wood, textile and paper). One of the major product areas that you will be involved in is the development of superhydrophobic woven/non-woven fabric products for exciting new textile applications and for the outdoor industry. Part of your job will also be to interact with our business commercial team and with external government and non-government organizations, such as universities and research institutes.

In joining our development team you will be given a unique opportunity in being part of developing a new industrial company working with green chemistry. You will be working in a dynamic and creative environment where your own ideas and initiatives welcome.

### *We are looking for:*

A Formulation Chemist with a strong background in polymer chemistry, organic chemistry, and surface chemistry. You have a solid understanding of structure property relationships in polymers and interfaces and a capability to develop new products and processes. We believe you also have experience in developing water-based formulations for use as coatings systems.

Knowledge in textile chemistry and processes is a plus. Our formulations touches on a broad range of chemistries, including organosilanes, starch-oil systems, emulsion stability, polymer dispersions, lubricants, anti-foam agents, and rheology modifiers. You need therefore to have skills to design stable systems that are both compatible with various fiber materials (i.e. textiles, paper and wood) and other resins.

### *Your responsibilities:*

- You will successfully conduct multiple scientific projects simultaneously with little supervision.

- You will independently work on development of new chemical formulations.
- You will conduct bench scale formulation studies and perform wet analytical methods.
- You will operate and maintain both pilot and laboratory equipment applicable to one's specific job requirements.
- You will evaluate the properties of experimental formulations and products using established procedures.
- You will communicate results of projects to both scientifically and non-scientifically skilled professionals.
- You will assist in the completion of other research projects as needed.
- You will provide assistance in the preparation of field trials and the subsequent reporting of test results.
- You will independently prepare clear and concise written reports/summaries.
- You will interface with chemical suppliers to evaluate new and unique chemicals for developing new wood protecting formulations.
- You will maintain neat, orderly and clear records of work completed.

***Our requirements:***

- You have a master or Ph.D. degree in Colloid and Surface chemistry, Polymer chemistry or equivalent.
- You have a minimum 2 years of work experience within the field of developing chemical formulations, especially formulation experience in textile hydrophobization products, and/or colorants, cosmetics, other oil-based emulsions and dispersions with the applications of polymers, emulsifiers, surfactants, and dispersants.
- You are familiar and have confidence in preparing bench top formulations.
- You have good written and verbal communication skills.

***As a person you are/have:***

- Creative, independent and self-motivated.
- The ability to plan your work and thereafter perform it both independently and in teams.
- Flexible and adapt to varying situations to attain goals and meet deadlines.
- The ability to evaluate, represent and communicate technical data.
- Detail oriented.

We need your application no later than the 29<sup>th</sup> of September. Please send your application to Dr. Juhanes Aydin, Development Manager at OrganoClick at [Juhanes.aydin@organoclick.com](mailto:Juhanes.aydin@organoclick.com). For more information, please visit [www.organoclick.com](http://www.organoclick.com) or phone +46 (0)8 684 001 13.