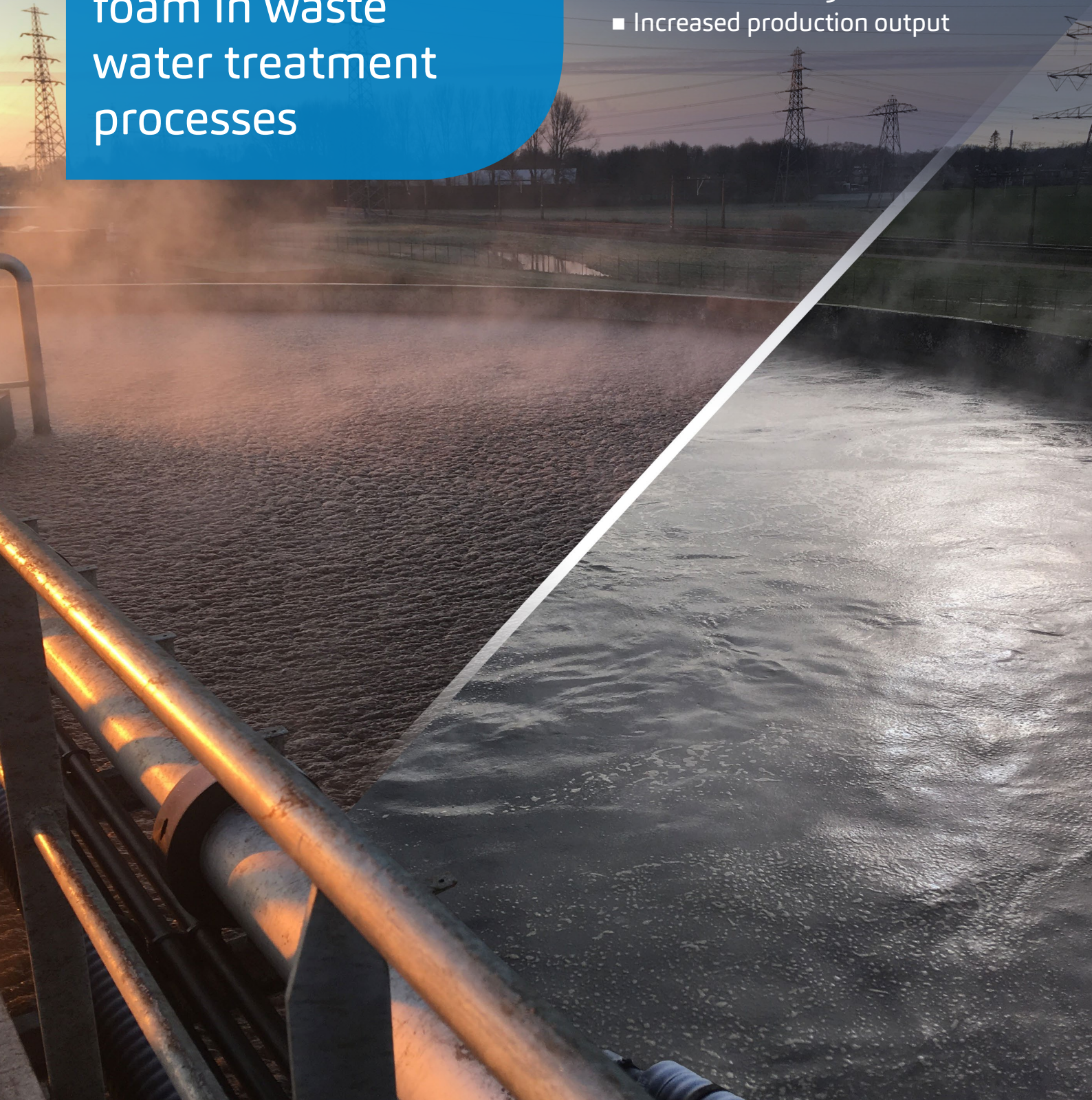


The solution to
reduce and control
foam in waste
water treatment
processes

- Efficient and effective
- Improved safety
- Better hygiene
- Substantial savings
- Increased production output



Excellent performances and substantial savings

Effective, efficient and durable antifoam knockdown

One of the main goals in waste water treatment in which foam exists is to keep control of that foam in the most efficient and effective way. Too much foam in the production process leads to uncontrolled safety situations, a reduction of production capacity, increased expenses and transport problems. But not only efficiency and effectiveness, also biodegradability and national waste water regulations can be main issues in reducing and controlling foam. Besides the biogas, waste water treatment and food industry Van Meeuwen's antifoam agents are used in coatings, detergents, paper, recycling, manure treatment and fermentation and distillation plants.



Antifoam agents and Van Meeuwen

Foam is generally caused by the increased concentration of protein, starch or surfactants in production processes. The combination with turbulent water and high temperatures results in foaming that is difficult to manage. Excessive foaming in production processes can result in:

- Unsafe conditions
- More outages
- Lower production
- Reduced revenue
- Higher costs
- Problems during transportation

Foam consists of micro- and macro-air bubbles. Van Meeuwen's antifoam agents have been developed specifically to reduce the surface tension of foam lamellae, so that the product works preventatively and the effect lasts a long time.

Van Meeuwen offers several types of antifoam agents in the form of organic compounds and emulsions.

Selection and application

Several factors have to be taken into account to select the most effective antifoam agent:

- What is stabilizing the foam?
- Which is the chemical nature of the foaming system (aqueous or non-aqueous)?
- Which is the foam-stabilizing surfactant concentration (ionic or non-ionic)?
- What is the temperature of the foaming system?
- What is the pH-value in the system?
- What is the source/cause of the foaming?
- How can an antifoam agent be added (to a process or a system)?
- Which are the effects of the antifoam agent (foam knockdown and durability)?
- Which are the potential negative impacts (spotting, clarity, paintability)?
- Which are the regulatory approvals (FDA, EPA, etc.)?

Properties and advantages

Van Meeuwen can offer custom-made solutions if standard products do not meet your requirements.

At Van Meeuwen, we focus on cost performance. Creating process improvements for our customers is what drives us.

Our family-owned company, which was founded in 1934, entered the process additives market in the 1980's and has specialized in it ever since.

Are you interested to know what can be achieved in your company? Ask one of our specialists for advice on which one of our antifoam agents is the most efficient and effective for your production process.

lubrication ■ services ■ systems ■ chemicals ■ education

Van Meeuwen®
IMPROVING INDUSTRIES