

# FLOPAM™ and FLOQUAT™

For Environmental Dredging\*



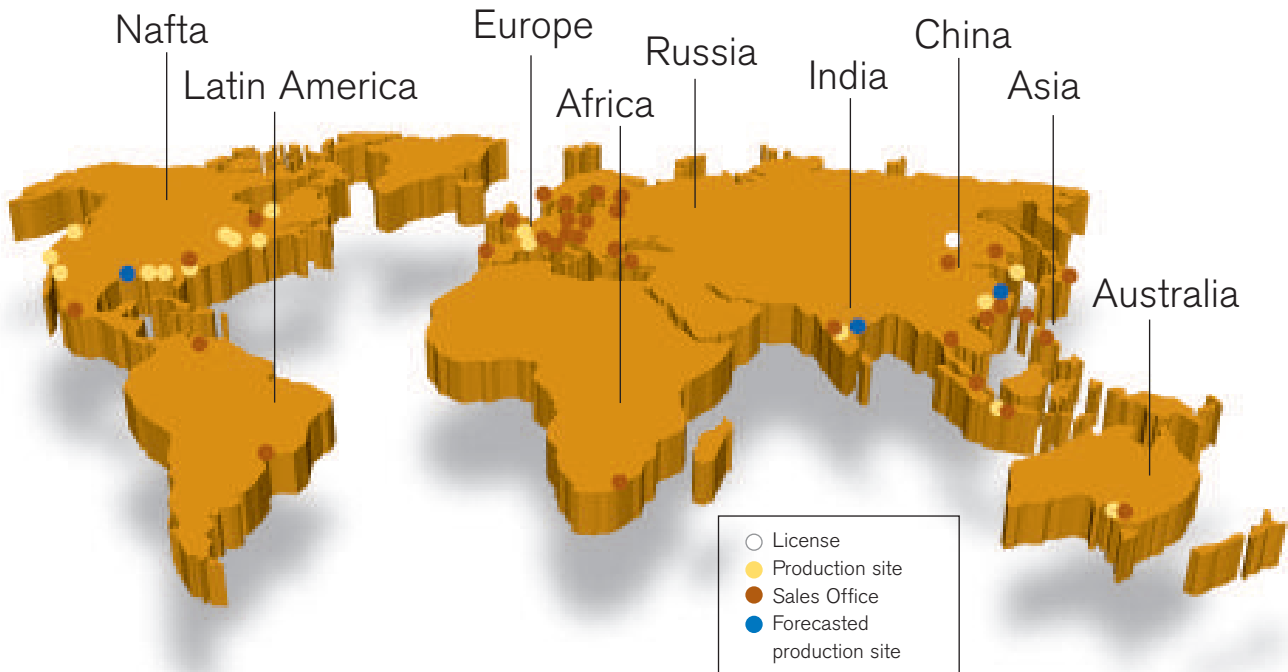
\*Flocculants and Coagulants for Thickening and Dewatering. SNF provides a complete package with products that can be tailored to your special needs, as well as make-up equipment, automated application systems and field technical support.

**SNF FLOERGER®**

# THE LARGEST INDUSTRIAL BASE

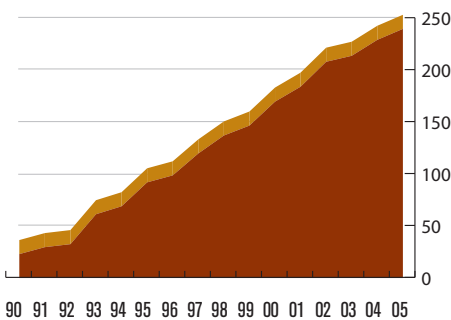


**SNF** is the world's leading producer of water soluble acrylamide-based polymers. SNF has, by far, the largest production capacity of the industry with 40% of the world capacity in polymer and 50% in monomer. SNF has the largest and most effective manufacturing capacity in the industry, including 4 major manufacturing sites in France, the USA, China and Korea, complemented by 14 satellite sites.

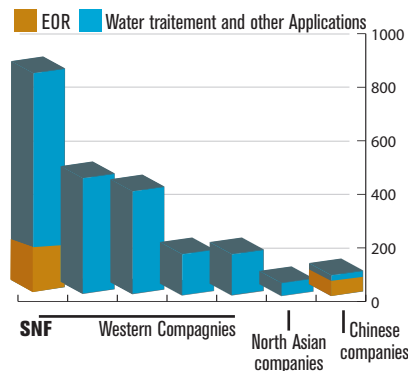


**SNF is using a new and unique acrylamide manufacturing process based on enzyme technology and bringing a 7%-8% cost advantage over competition**

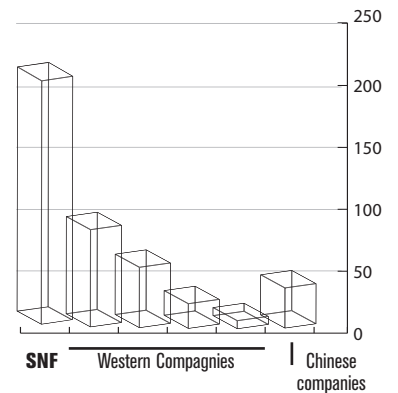
SNF Consolidated Sales in 1 000 metric tonnes (active)



Water Soluble Polymer Sales Worldwide



Acrylamide Monomer Production Worldwide



**SNF's polymers are widely used in municipal and industrial wastewater treatment plants and also by dredging contractors for enhanced solid/liquid separation.**

## SNF's polymers' uses in the Dredging field:

### → Thickening of dredged sediments to obtain a clear overflow:

- Polymer injected directly in hopper dredgers
- In settlement ponds : instead of using two or three successive settlement ponds, the addition of polymers decreases the settlement time. The overflow is clear after the first pond, saving land area and civil engineering work.

### → Dewatering of thickened sludge with either geotubes, centrifuges, belt filter presses or screw presses...

Polymers have proved to be very efficient in the dewatering of sludge from municipal and industrial lagoons, ponds, lake clean-out projects, waterways, harbours and ship canals.

### → Port Construction. SNF's proposal is a change from the traditional lagooning process. After many years of natural drying, the soil is heterogeneous.

Polymers, on the other hand, give homogenous flocs made of sand and slime, which after only 6 months of drying leave a valuable land.

Our process means that less land area is consumed by settling areas.

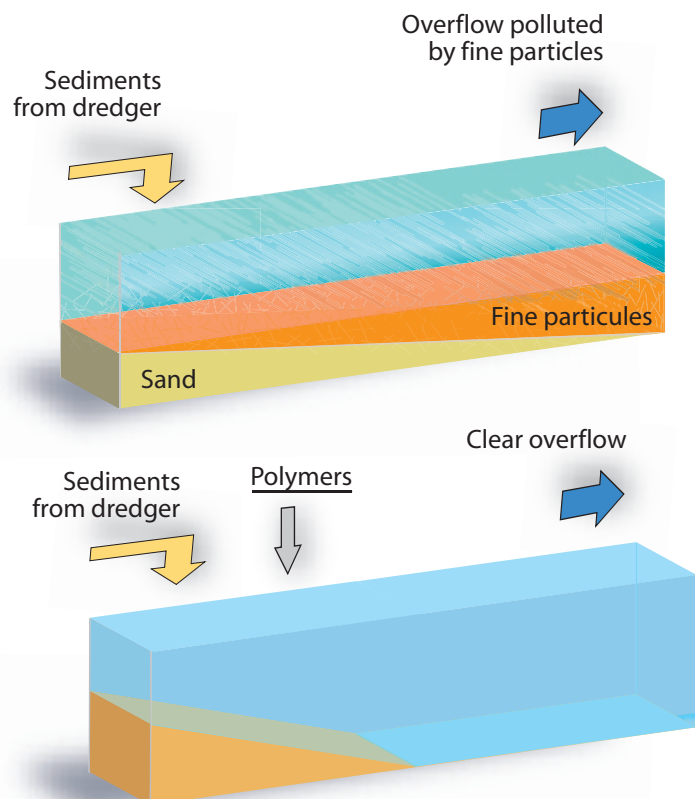
It is a cost-effective way to sort out the problems, as there is no capital investment and our process is less expensive to operate than conventional disposal on a total cost basis.

Furthermore, in the case of contaminated sediment, the polymer is able to enhance the attachment of the contaminants to the large flocculated sediment particles, thus leaving a cleaner overflow.

## Your Solution for Environmental Dredging

SNF's services for dredging contractors include:

- Polymer Selection and Supply
- Make-up equipment Design and Supply
- Field Start-up
- Field Technical Support





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The information in this brochure is provided in good faith. To our knowledge it reflects the truth.