

## Contact & Support

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Alumichem A/S  
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Alumichem A/S has since its foundation in 1991 been developing and producing high quality functional aluminates for use in water purification processes, concrete industry, paper pulp industry as well as a long range of various production processes.

Since 2001 Alumichem A/S has been manufacturing the eco-labelled CMA based de-icer and dust-suppressor ICE & DUST-AWAY.

In 2005 Alumichem A/S commissioned a state-of-the-art PAC (Polyaluminum Chloride) production line.

Alumichem A/S is certified according to ISO 9001 and ISO 14001.



# Functional Aluminates and Polyaluminum Chloride

State-of-the-Art Water Purification Solutions



**ALUMICHEM**

# Water purification by Stability, Consistency & Know-How

Just-in-time global delivery

# Expert in Aluminum based flocculants and specialty chemicals

We meet any customer need in terms of formulation and order size



## Competence & Innovation

Alumichem A/S is a privately owned manufacturing company, dedicated to developing and producing high performance functional aluminates and polyaluminum chloride, which are widely used in Industrial water treatment, municipal drinking water and waste water treatment, and is becoming a popular choice for flocculation processes.

Our product range is characterized by a very high content of aluminum, thus representing an attractive and effective alternative to other products on the market.

The R&D team at Alumichem A/S consistently work with improving and optimizing the range, in order to maintain our position as first choice among our customers.

## Just-in-time deliveries & Customer Support

Different customers have different needs. At Alumichem A/S - every customer is treated individually. We know the importance of a reliable supply chain. Whether you have a preference for IBC or tanktruck deliveries, tailor-made products to exactly meet your water treatment plant specifications, short or long term planned deliveries - Alumichem A/S is your partner and long term collaborator, to fulfill the demand for on-time deliveries at a competitive cost level.

## Technology & Capacity

State-of-the-Art processing techniques combined with large scale capacity, enables Alumichem A/S to offer a broad product range that meet most demands. The plant technology and production methods - facilitates a very high product quality consistency.



## Facts & Figures

The discharge limits for wastewater become more and more stringent, motivating many municipal and industrial wastewater plants, to implement both biological and chemical systems for their reductions.

Alumichem's product range is produced of the finest raw materials available, ensuring wastewater treatment plants the highest level of quality.

Liquid Sodium Aluminate	Al <sub>2</sub> O <sub>3</sub>	Na <sub>2</sub> O	Molar Ratio
AluSAL - Sodium Aluminate 38%	19,9% +/- 1,0	18,3% +/- 1,0	1,48
AluSAL - Sodium Aluminate 44% (unstabilised)	24,5% +/- 1,0	18,7% +/- 1,0	1,3
AluSAL - Sodium Aluminate 45%	25,0% +/- 1,0	19,5% +/- 1,0	1,28

Polyaluminum Chloride	Al	Cl
AluPAC - Polyaluminum Chloride	9,0% +/- 0,5	22,0% +/- 1,0
AluACH - Aluminum Chlorohydrate	12,4% +/- 0,3	8,2% +/- 0,2

If the above standard products do not meet your requirements, Alumichem A/S offers a tailor-made solution to meet exactly the specifications you require for your plant.

## Cost Reductions & Flexibility

Aluminum products reduce sludge production compared to iron, due to the low molecular weight of Al.

Aluminates raise the alkalinity of the water, eliminating the need of lime or hydroxides.

The high content of Al in aluminates, facilitates lowered transport costs.