



Dredging



Dredging of rivers or harbors with sediments contaminated with environmental pollutants often requires removal and deposition of the excavated masses together with a proper treatment and cleaning of the water prior to discharge back to the environment.

Kemira's expertise in both solid-liquid separation and water treatment make us your perfect partner for such dredging of rivers or harbors.

Kemira's flocculant and coagulant product series can be used separately or in combination to obtain the optimal result for the given circumstances. We are open to also function as a discussion partner and give technical advice regarding choice of dewatering and water treatment technology and set up. Kemira has through participation in several dredging projects gained a large network of companies specialized in different parts of the dredging process.

Key features & benefits

Broad application expertise
Global manufacturing network

Materials



SOLVING DIVERSE CASES OF LIQUID-SOLID SEPARATION

Kemira Superfloc® – Flocculants and organic coagulants

Liquid-solid separation is one of Kemira's key competences. Please download this brochure to see our broad product portfolio for organic coagulants and flocculants.

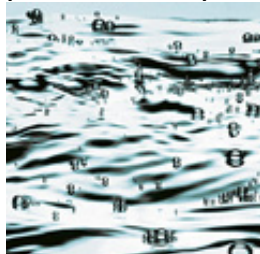
Products



Product

Aluminium sulfate

Kemira is producing a broad range of Aluminum Sulfate products. We provide high quality aqueous solutions as well as different grades of granulated material. These special "iron-free" products are perfectly suited for drinking water applications.



Product

Aluminum chloride

Kemira Aluminum Chlorides (KEMIRA ACL) are effective primary coagulants on an aluminum base. The products are used in a variety of municipal and industrial applications, primarily for color, organic matter, suspended solids and phosphorus removal.



Product

Anionic and nonionic polyacrylamide

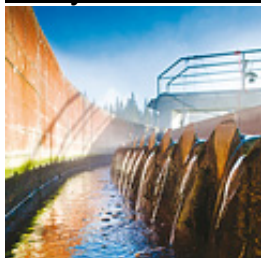
Kemira's nonionic and anionic polyacrylamides have excellent performance in various industrial liquid/solid separation processes. Our quality of manufacture can be assured to be of the highest standard available today.



Product

Cationic Polyacrylamide

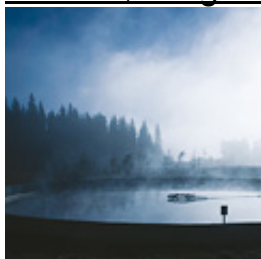
Kemira's cationic polyacrylamides have excellent performance in municipal sludge dewatering applications. Our quality of manufacture can be assured to be of the highest standard, with many decades of process know-how being applied to our products.



Product

Ferric Chloride

Kemira Ferric Chlorides (KEMIRA PIX) are effective primary coagulants based on trivalent iron (Fe³⁺), excellent for both drinking and wastewater treatment applications like phosphorus removal, sludge conditioning and struvite control.



Product

Ferric chloride sulfate

Kemira Ferric Chloride Sulfates (KEMIRA PIX) are effective primary coagulants based on trivalent iron (Fe³⁺), excellent for drinking water production, wastewater treatment applications such as phosphorus removal, struvite control and sludge conditioning.



Product

Ferric Sulfate

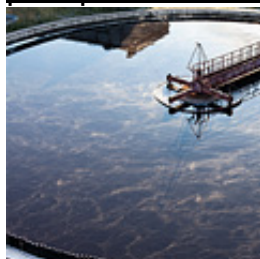
Kemira Ferric Sulfates (KEMIRA PIX) are effective primary coagulants based on trivalent iron (Fe^{3+}), excellent for drinking water production, wastewater treatment, phosphorus removal applications, struvite control as well as sludge conditioning.



Product

Ferrous Chloride

Kemira Ferrous Chloride (KEMIRA PIX) is an effective coagulant based on bivalent iron (Fe^{2+}). It is used primarily to control hydrogen sulfide formation to reduce odor and corrosion, and for phosphorus removal applications.



Product

Ferrous Sulfate

Kemira Dry Ferrous Sulfate (KEMIRA COP) is an easy-to-dissolve coagulant for wastewater treatment applications based on bivalent iron (Fe^{2+}). These products show excellent performance in simultaneous wastewater treatment processes.



Product

Polyaluminum Chloride

Kemira produces a wide range of polyaluminum chlorides in liquid form (KEMIRA PAX). The highly charged Al in the products is optimized for best performance. Kemira PAX is an effective coagulant for treatment of both drinking water and waste water.



Product

Polyaluminum sulfate

Kemira Polyaluminum Sulfate (KEMIRA PAS, PASS) is a basic, polymerized aluminum sulfate. It contains highly charged aluminum and will offer advantages such as rapid floc formation, excellent particle removal and improved cold water performance.



Product

Polyamines - Superfloc C-500 series

Kemira's Polyamines are high performance organic coagulants. They are liquid, cationic polymers of differing molecular weights and are often used in filtration applications or in conjunction with our flocculant products.



Product

PolyDADMAC - Superfloc C-500 series

Kemira's PolyDADMAC are high performance organic coagulants. They are liquid, cationic polymers of differing molecular weights and are often used in filtration applications or in conjunction with our flocculant products.



Product

PolyDCD and Resin amine

Kemira offers Resin amine and PolyDCD that are highly effective in specific industrial processes. They are used for color removal, paint detackification and treatment of paint or oily waste water.

Related news & events



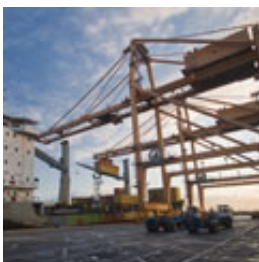
Kemira selected as a reliable partner for EnGlobe in the dredging of the Kishon River



25/07/2014 Success story

Kemira cooperates successfully with the Canadian company EnGlobe by supplying highly effective flocculants for dredging and treatment of contaminated sediments of the Kishon River in Haifa, Israel.

Sludge dewatering on dredging process at an environmental protection area



11/03/2013 Success story

Located along the southeast coast of Brazil, the Port of Santos was a challenge due to its proximity to an important environmental protection area. The dredging of sludge from the channel needed to be done according to all the environmental rules.

Contact us



We would like to hear from you.

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