



# News release

**AkzoNobel**  
Tomorrow's Answers Today

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## **New Anti-Caking Agent Launched**

**Representatives from AkzoNobel Industrial Chemicals introduced the company's next generation anti-caking agent for salt at the International Symposium on Salt staged in Beijing last week.**

Recommended for membrane chlorine electrolysis – instead of the present ferrocyanide – mTA (meso-Tartrate) eliminates the risk of explosive nitrogentrichloride formation, lowers power consumption and increases the lifetime of membranes and electrodes.

The breakthrough product – developed as an anti-caking agent for both chemical transformation salt and road salt – has already been successfully implemented at the company's own chlorine plants in Europe.

"The chlorine industry and society at large will benefit from this innovation," said Peter Kuijpers, General Manager of AkzoNobel's bulk salt business. "Applied in membrane electrolysis it will increase safety and decrease cost, whereas in highway de-icing, mTA is a biodegradable alternative for existing agents."

Currently, ferrocyanide is the world standard anti-caking agent for salt. However, in membrane electrolysis, ferrocyanide has distinct negative effects since deposits on or in the membranes increase power consumption, while cyanide is partially transformed into harmful nitrogentrichloride that may lead to explosions.

During his address to symposium delegates, Jan Meijer, the company's expert in salt and crystallization research, explained that the increasing number of membrane electrolyses worldwide has heightened the need for a powerful and effective anti-caking agent without the disadvantages of ferrocyanide.

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