



**AkzoNobel**

Tomorrow's Answers Today

# News release

## **AkzoNobel defines future of chlorine industry**

**Amersfoort, April 4, 2011 - AkzoNobel will share its vision for the future of the chlorine industry with industry peers at the 8th International Chlorine Technology Conference & Exhibition in Budapest, one of the flagship events of the chemical industry. At the event, the company will further elaborate on two innovative concepts set to change the industry's face in the future.**

With its remote controlled chlorine production units, called Your Chlorine, AkzoNobel in fact re-invents the chlorine supply chain. The concept offers the ideal solution for businesses which depend on a steady supply of chlorine in intermediate volumes. AkzoNobel provides a full service that includes the handling of all necessary activities. Martin Riswick, General Manager of AkzoNobel's Chlor-Alkali business, describes the benefits of this service. "Customers get the amount of chlorine they need delivered by pipeline without having to plan for it. We take care of everything around the chlorine production: The units will be operated to our exacting operations standards and controlled by our expert personnel. In this way, the safety profile of customers' sites will be enhanced, because the volumes of chlorine that need to be stored on site will be reduced. In addition, they no longer have to worry about logistics, as we'll handle raw materials as well as by-products. And they enjoy security of supply, as we guarantee a continuous flow of chlorine for their production." At the same time, the concept addresses public fears about the risks inherent in transporting potentially harmful chemicals through or close to residential areas. Adds Riswick: "Irrespective of whether these fears are founded or not, it's a public perception we and our customers will have to take on board. In addition, Your Chlorine safeguards customers against supply disruptions and market movements associated with the conversion of outdated mercury plants to the modern membrane technology. Indeed, Your Chlorine offers customers an economically viable way to convert environmentally questionable facilities still running the mercury process to state-of-the-art membrane technology."

At the event, Industrial Chemicals will also showcase its innovative mTA-Salt, industrial salt with an eco-efficient anti-caking agent that can save up to 5% of a chlorine production plant's total energy consumption and thus improves its CO<sub>2</sub> footprint. It's a state-of-the-art liquid agent sprayed onto salt before transport to the customer. Peter Kuijpers, General Manager of AkzoNobel's Salt business, says: "With energy costs on the rise, the use of AkzoNobel mTA-Salt has become exceedingly attractive to companies running membrane electrolysis. The reduction in power consumption of up to 5% has been proven by extensive research and close monitoring in our own plants for years now. But this is not the only benefit offered by the use of mTA-Salt: it also helps to increase the lifespan of membrane cells as well as reduce downtime and thus increase production. In addition, it enhances the safety profile of chlorine plants, because it decreases the formation of highly-explosive nitrogen derivatives in the feed brine."

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