



# Press release

**AkzoNobel**  
Tomorrow's Answers Today

## **AkzoNobel Novel Alcolguard<sup>®</sup> H 5240 ADW and Laundry Detergent Aid Gains DfE Certification**

CHICAGO, Ill. (August 9<sup>th</sup>, 2011) – AkzoNobel Surface Chemistry is pleased to announce that its Alcolguard<sup>®</sup> H 5240 hybrid water-soluble bio-polymer has been granted Design for Environment (DfE) certification by the U.S. Environmental Protection Agency. It was reviewed against the DfE Master Criteria for Safer Ingredients as a polymeric scale control agent for use in automatic dishwasher (ADW) and laundry detergents, and is recommended for use in products recognized by the U.S. EPA DfE Formulator Program.

Alcolguard<sup>®</sup> H 5240 is produced using hybrid technology developed by AkzoNobel that combines natural (plant-based) materials – selected polysaccharides – with petrochemical materials – synthetic monomers – and is based on over 60 percent renewable resources. The full and rapid biodegradability of the polysaccharides contained in Alcolguard<sup>®</sup> H 5240 makes it an environmentally friendly alternative (with a significantly lower carbon footprint) to traditional synthetic polymers. In addition, its proprietary hybrid technology was nominated by the U.S. EPA for “P2” (pollution prevention) recognition.

Alcolguard<sup>®</sup> H 5240 hybrid bio-polymer is designed to prevent scale formation in ADW and laundry detergents and other applications where synthetic polymers (polyacrylates) are typically used. Its filming/spotting reduction capability has been demonstrated through performance testing conducted by AkzoNobel to be equal or superior to that of polyacrylates typically used in ADW applications. AkzoNobel's hybrid bio-polymer is particularly effective at minimizing filming and spotting in zero-phosphate dishwashing detergent formulations. In addition, when tested against polyacrylates currently used in laundry detergent applications, Alcolguard<sup>®</sup> H 5240 has been found to provide equal anti-redeposition, dispersancy, anti-encrustation, and detergency.

For more information about AkzoNobel's DfE-certified Alcolguard<sup>®</sup> H 5240 water-soluble bio-polymer and its environmentally friendly hybrid technology, please contact Linda Terwilliger at [Linda.Terwilliger@akzonobel.com](mailto:Linda.Terwilliger@akzonobel.com). For samples or assistance, please contact your local AkzoNobel sales representative or the AkzoNobel Customer Service Department at [CSRUSA@akzonobel.com](mailto:CSRUSA@akzonobel.com).

### **Safe Harbor Statement**

This press release contains statements which address such key issues as AkzoNobel's growth strategy, future financial results, market positions, product development, products in the pipeline, and product approvals. Such statements should be carefully considered, and it should be understood that many factors could cause forecasted and actual results to differ from these statements. These factors include, but are not limited to, price fluctuations, currency fluctuations, developments in raw material and personnel costs, pensions, physical and environmental risks, legal issues, and legislative, fiscal, and other regulatory measures. Stated competitive positions are based on management estimates supported by information provided by specialized external agencies. For a more comprehensive discussion of the risk factors affecting our business please see our latest Annual Report, a copy of which can be found on the company's corporate website [www.akzonobel.com](http://www.akzonobel.com).

## **About AkzoNobel**

AkzoNobel is the largest global paints and coatings company and a major producer of specialty chemicals. We supply industries and consumers worldwide with innovative products and are passionate about developing sustainable answers for our customers. Our portfolio includes well known brands such as Dulux, Sikkens, International and Eka. Headquartered in Amsterdam, the Netherlands, we are a Global Fortune 500 company and are consistently ranked as one of the leaders in the area of sustainability. With operations in more than 80 countries, our 55,000 people around the world are committed to excellence and delivering Tomorrow's Answers Today™.

Surface Chemistry is a Business Unit of AkzoNobel, employing over 1500 people in 50 countries. In 2010, 45 percent of our global revenue (€847 million) came from our eco-premium products. Based in Chicago, US, with regional marketing centers and R&D facilities in United States, Brazil, Singapore, India, China and Sweden, we are leading supplier of specialty surfactants and synthetic and bio-polymers additives. We serve a wide range of industries including home and personal care, agrochemicals, asphalt, mining, oilfield, and water treatment. For more information, visit [www.akzonobel.com/sc](http://www.akzonobel.com/sc).

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Alcoguard® is a registered trademark of AkzoNobel or affiliated companies.

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