Safer Chemicals & Materials

Closing the gap with innovative approaches

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Our Business Portfolio

Decorative paints
- Europe
- Latin America
- Asia

Performance Coatings
- Marine and Protective Coatings
- Automotive and Aerospace Coatings
- Powder Coatings
- Industrial Coatings

Specialty Chemicals
- Functional Chemicals
- Industrial Chemicals
- Surface Chemistry
- Pulp and Performance Chemicals

…covering multiple customer needs in four segments
2012 Dow Jones Sustainability Index Review:

AkzoNobel ranked #1 in the chemicals supersector

Bio-based products
Sustainable raw materials
Eco-premium solutions
Greenhouse gas emissions
Sustainable fresh water management
Total Reportable Injury rate
Behavior based safety
Product Stewardship
Priority Substance Project

1. Global inventory
2. Scoring
3. Review
4. Risk assessment
5. Reporting
6. Risk Management

Substances under review
Prohibited substances
Restricted substances
Renewable raw materials in action: Products & on-going product development

**Dissolvine GL**: a biodegradable, bio-based chelating agent which replaces phosphates in automatic dishwashing (ADW) detergent

**Hybrid Polymers**: incorporate starch-based polymers to make biodegradable materials for cleaning and personal care applications

**Bio-based Latexes**: Drop in replacement latexes for water based paints
Our company strategy

Know the customer needs

Collaboration

Development costs

Development time

Regulatory approvals
Development of new chelating agent for consumer cleaning products

Extensive collaboration with customers

Jointly developed new testing approach to confirm biodegradability in the USA

Completed field tests in several states with high success

Sharing our innovative approach in public meetings and with US EPA

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Excellent safety profile

Collaborated with US EPA to develop new test approach

Addressed carcinogenicity QSAR

A short-term kidney biomarker protocol

Shared our innovative approach in Public meetings and with EPA
Collaboration with customers and regulators is the key!

Thank you!

AkzoNobel