

**QUALITY WORKS.**

**LANXESS**  
Energizing Chemistry

# WHAT IS **QUALITY**?

Quality means producing high-performance products that deliver what they promise.

At LANXESS, quality means much more: we live quality. It's at the very heart of our work. We want our customers to be able to rely on us fully in all matters and at every stage of cooperation. From the first conversation to the perfect implementation. Fast, simple and efficient – fully in line with our motto "Energizing Chemistry."

For us, quality also means assuming responsibility for the environment and society, as well as creating value together. With high quality standards that apply worldwide for products, processes and technologies, LANXESS helps to protect the climate and the environment and to improve people's quality of life.

## QUALITY WORKS.

Our mission in everything we do. And at the same time our pledge to our customers. For mutual success and a sustainable future.

## QUALITY HIGHLIGHTS.

*” We produce all major precursors in-house for our high-performance plastics, and are thus a reliable partner to our customers. “*

The High Performance Materials business unit (HPM) stands for effortlessness and dependability. It produces plastic granules for the automotive and electrical/electronics industries. These plastics reduce car weight compared with metal. That's because they can be processed into mechanically, chemically and thermally heavy-duty components such as pedals. These plastics can also be combined with sheet metal to form composite systems. In this way they make modern vehicles even safer and improve their fuel efficiency.



+ High-performance, flame-retardant plastics ensure added safety in the electrical and electronics industry: for example, low-flammability Pocan® and Durethan® grades are used, among other applications, for the manufacture of current-carrying components such as socket connections. Another application example are LED chips, for which particularly reflective and at the same time aging-resistant Pocan® grades are offered.

# QUALITY PERFORMS.



” We offer sustainable, high-quality solutions for customers in more than 120 countries worldwide. “

Products for the plastics, rubber, lubricants and colorants industries: the Rhein Chemie Additives business unit (ADD) develops, produces and markets additives, specialty chemicals and service products. Their customers come from the automotive, electrical/electronics, paper, footwear, construction, metalworking and cosmetics industries, as well as from the polymer-processing and water treatment industries. ADD operates its own laboratories and technical competence centers in all parts of the world so as to be able to implement individual solutions for different customers.



The Rhein Chemie Additives business unit (ADD) is comprised of the former Rubber Chemicals (RUC), Functional Chemicals (FCC) and Rhein Chemie (RCH) business units. We aim to open up new markets and customers by combining our additives business.



# QUALITY PURIFIES.



” We offer our customers tailored solutions based on three distinct water treatment technologies. “

Whether for the production of drinking water and the treatment and recycling of process and wastewater in industry or for water softening in the home – the Liquid Purification Technologies business unit (LPT) is one of the world's leading solution providers of products to treat water and liquid media. The portfolio includes Lewabrane® membrane elements for reverse osmosis, Lewatit® ion exchange resins and Bayoxide® iron oxide adsorbers. The high-performance products are used in numerous industries, such as energy generation, food, chemicals and petrochemicals, pharmaceuticals, electronics, metalworking and mining.



For example, Lewabrane® reverse osmosis membrane elements are used for seawater desalination to provide drinking water in regions in which freshwater is scarce or polluted.



# QUALITY PROTECTS.

” *Our products are effective against bacteria, fungi, viruses, yeasts or algae – they disinfect, protect a wide range of materials and preserve beverages.* “

The Material Protection Products business unit (MPP) offers a broad range of active ingredients, preservatives and disinfectants. These high-quality products are complemented by objective and competent technical advice, registration support and project-related research and development activities. The main areas of application for MPP products are wood protection, the colorants and coatings industry, the disinfectants industry – particularly in veterinary medicine –, water treatment, the beverage industry and the construction industry.

+ High-quality products combined with outstanding technical service and high regulatory expertise – that’s what marks MPP.

# QUALITY LASTS.

” *Hardly any other material in the fashion industry has to satisfy different demands each season. Leather producers can count on us.* “

With its high-quality products for the leather industry, the Leather business unit (LEA) meets the demand for chemicals along the entire value chain. LEA offers wide-ranging system solutions for leather processing – from tanning materials through preservatives to high-quality finishing products for all types of leather. The business unit is the only supplier worldwide that produces both organic leather chemicals and chrome tanning agents. The most important raw material for chrome tanning agents – chromium ore – is

sourced from the company’s own mine. Besides the leather industry, the ore is also used in the stainless steel industry and in the production of chrome chemicals for various other sectors. In the Sustainable Leather Management program, furthermore, LEA offers a technology platform that is specifically tailored to environmentally friendly production processes. The portfolio of leather chemicals already redefines the concept of sustainability in the leather industry.



## QUALITY OUTSTANDS.

*” We have been setting standards already for decades with our quality and sustainability claim. “*

For decades, products from the Inorganic Pigments business unit (IPG) have been setting standards worldwide. They are marked by first-class quality and very high chemical and physical resistance. Today our Bayferrox® and Colortherm® branded iron oxide and chrome oxide pigments are used in wide-ranging areas of application: throughout the world they are used in paints for walls and building facades. In addition to standard applications such as coloring concrete paving stones and roofing tiles, they are also found in

modern exposed concrete architecture, ensure deep green coloring of artificial turf in athletic facilities or enable WPC panels on patios and verandas to gleam in various colors. Inorganic pigments from LANXESS are available in more than 100 different shades of red, yellow, green, brown and black. IPG also develops Bayoxide® pigments for customized specialty applications. The spectrum here ranges from pigment types for airbags and catalysts to the removal of sulfur from biogas.

## QUALITY REFRESHES.

*” Our core competencies include the production of aromatic intermediates. “*

The Advanced Industrial Intermediates business unit (All) offers a broad-ranging portfolio of chemical intermediates for downstream and finishing processes. The manufacture of these intermediates – known as industrial chemicals – involves complex chemical production processes that require broad expertise and ultra-modern processes. The intermediates of the All business unit are

used by various industries for the production of numerous chemical products such as agrochemicals, pharmaceuticals, colorants, coatings, rubber articles and cosmetic products. This includes menthol as an ingredient in cosmetics such as in sport balms that have a cooling effect in the event of painful injuries, as well as in confectioneries such as candies or chewing gum.



# QUALITY CUSTOMIZES.

” Our custom manufacturing success story is based on our broad range of established technologies and products. “

Whether it's crop protection products, pharmaceuticals or cosmetics – many everyday products owe their effectiveness to substances from the fine chemicals sector such as those developed and produced by the Saltigo business unit. Our subsidiary's business is divided into the areas of pharmaceuticals and agrochemicals, active ingredients and intermediates. These active ingredients and intermediates are used in the crop protection sector in herbicides, insecticides and fungicides. In the pharmaceuticals sector, they are

the basis for important medicines such as antibiotics or cancer drugs. Saltigo also produces additives for polymers and electronic chemicals, fuel additives and substances for cosmetics, as well as a wide range of multi-customer products. What's more, Saltigo is a partner for custom manufacturing and custom synthesis – in other words exclusive syntheses. Together with its customers, the company develops customized products.

**saltigo**

# QUALITY SUSTAINS.

” Corporate Responsibility and sustainable action are an expression of our understanding of quality. “

We also understand quality as meaning that we operate responsibly and sustainably in the broadest sense. We strive to combine safety, environmental protection, social responsibility and commercial efficiency in our business operations. This is summed up not least by the sentence “Good for business, good for society.” At LANXESS, we regard sustainable thinking and action as the responsibility of each and every employee and an integral part of our corporate culture.

Occupational health and safety take top priority to ensure the protection of our employees. We insist on and encourage compliance with safety, environmental and social standards at our sites worldwide. We also support initiatives such as Responsible Care® and the UN Global Compact, and are certified according to international standards such as ISO 9001 and ISO 14001. With our integrated management system, we have created a transparent system and set

of rules that unite management and employees across national borders. We nurture and promote a value-based performance culture performance culture and are a constructive and fair partner in dialogue with stakeholder groups in many respects. Our goal is to make a lasting value contribution in the interests of our customers, our partners and society at large with the quality and sustainability of our products – including helping to solve societal challenges.

# QUALITY FACTS.

**7.9** BILLION  
IN 2015

**16,700** EMPLOYEES

**29** COUNTRIES

**55** SITES

LANXESS is a leading specialty chemicals company with sales of EUR 7.9 billion in 2015 and about 16,700 employees in 29 countries. The company is at present represented at 55 production sites worldwide. The core business of LANXESS is the development, manufacturing and marketing of chemical intermediates, specialty chemicals and plastics. Through ARLANXEO, the joint venture with Saudi Aramco, LANXESS is also a leading supplier of synthetic rubber. LANXESS is listed in the leading sustainability indices Dow Jones Sustainability Index (DJSI) World and FTSE4Good.

#### FORWARD-LOOKING STATEMENTS

This brochure contains forward-looking statements based on current assumptions and forecasts made by LANXESS AG management. Various known and unknown risks, uncertainties and other factors could lead to material differences between the actual future results, financial situation, development of performance of the company and the estimates provided here. The company assumes no liability whatsoever to update these forward-looking statements or to adapt them to future events or developments.

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