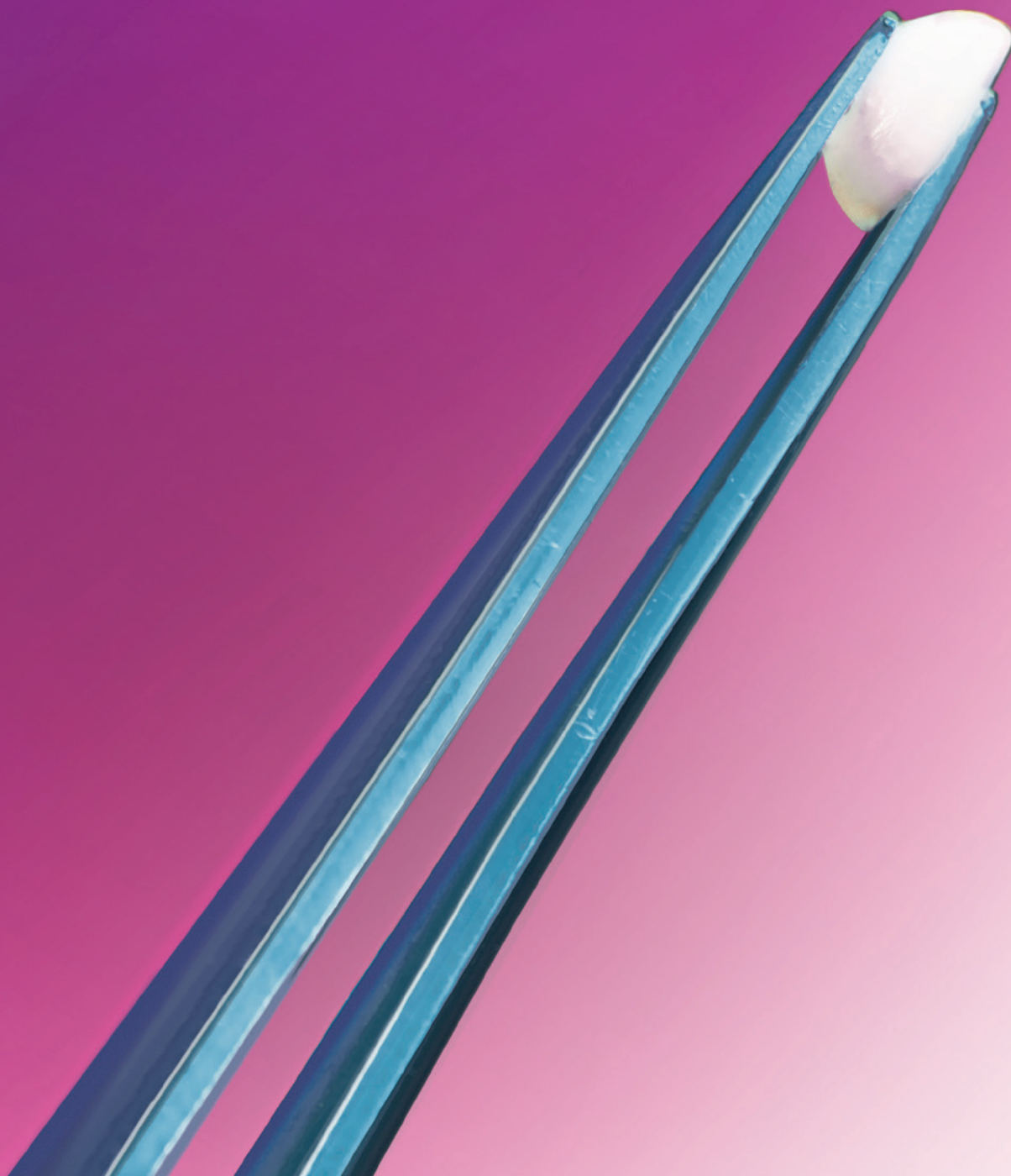


Eka Pellets™

chemically pure alkali

Sodium hydroxide and potassium hydroxide

AkzoNobel 



Tradition, quality and reliability

We have produced the chemically pure sodium hydroxide and potassium hydroxide pellets since 1904.

Gathered experience over the years has improved the quality, both as regards the manufacturing process as the end products. We have sound experience of alkali production and unique documentation of product analysis. Our customers can trust our high purity and the quality of our products to make them more competitive.

Quality

The chemically pure alkali plant in Bohus is one of only a few plants in the world capable of making sodium hydroxide and potassium hydroxide pellets of premium quality, complying to guidelines set by the industry standards. The reason for the high quality of the production in Bohus is the policy of continuously improving the technology, skills and the knowledge of our staff.

AkzoNobel is an important global supplier to the pharmaceutical, the cosmetic, the electronic and the food industry as well as to laboratories, areas where consistent quality is essential. Detailed records are kept to ensure traceability from ingredient receipt to final delivery. Our products are of the very highest quality containing extremely low levels of impurities making us a reliable partner.

Development and customisation

We develop special grades for several applications, working closely with our customers. We are equipped to provide our customers with tailor-made products at practically any purity they wish.

Delivery reliability

Our production capacity is sufficiently large to guarantee just-in-time deliveries, making it possible for our customers to optimize their warehouse.

Sustainability and HSE

We believe that long-term sustainable operations are one of the foundations on which to establish a leading market position. Consequently we support REACH and its obligations.

Health, safety and environment (HSE) are of decisive importance in all AkzoNobel activities. Today, all our products and their applications must contribute to reducing the negative impact on the environment as well as to improve production efficiency and energy usage.



Over 100 years of Eka Pellets™

Unique production facilities

Raw materials

The selection of raw materials is decisive for the end product. Our raw material is based on various qualities of salt for different applications and its purity is essential. For the quality assurance, the raw material is stringently checked before further processing.

Production

Our plant has modern and in many ways unique production facilities, capable of producing pure alkali pellets of the highest quality. In addition, we have well-developed process and production control system.

AkzoNobel produces a variety of qualities according to Pharmacopeias, Official Standards and our own Standards. Additionally we also develop "tailor made" qualities in close cooperation with our customers.

Research & development

AkzoNobel has its own research and development department for fine chemicals, which plays a vital role in process optimisation and selection of raw materials.

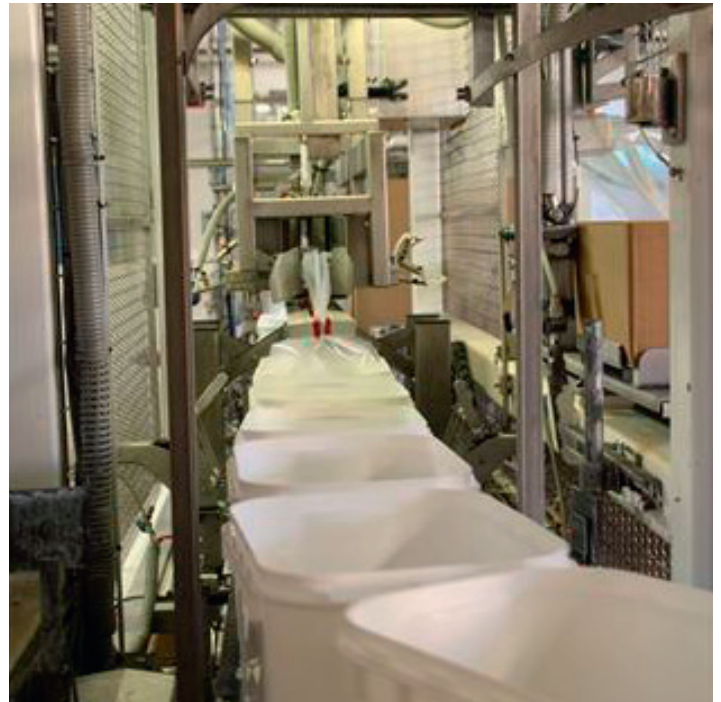
The department also works with process development, the development of new products and the adaption of products to the wishes and needs of customers.

Quality control & audits

Our ISO 9001 system and the quality controls carried out by our certified central laboratory form the basis of our activities, from raw material to end product. This also enables us to be Halal and Kosher certified. We have an open attitude to customer audits since this is important when building long and trustworthy relations with our customers.

Customer support

There is a wide spectrum of areas for chemicals in which the customer can benefit from our advice. This might regard applications, quality control, labeling, handling, transport solutions, regulations as well as laws and statutes.



Each step in the production is designed to minimize the exposure of the product.

Modern packaging line

Packaging & storage

Our plant has a modern packaging line that is fully automated and has integrated monitoring systems. Each step is designed to minimize the exposure of the product. In this line we have also the possibility to incorporate the customer's own labels and marking requests.

We have developed a safe, secure and easy to-use packaging. It is UN-approved and recyclable to assure the transportation and quality all the way to our customers, it is equipped with tamper evidence.

The 25 kg PE box

The 25 kg box is made in polypropylene and has a polyethylene inner liner. For extra protection the boxes are wrapped with plastic film and delivered on a bottom covered ISPM 15 marked pallet with a net weight of 900 kg. Until the pallets are dispatch, they are stored in designated warehouse and only handled by authorized persons.

The Super Sac

The Super Sac is made out of reinforced PP with an outer lining of PE for dust protection. The Inner liner, the one in contact with the material, is the same as for our 25kg PE boxes. Not only this, the Super Sac, by its design and construction, also comply with the following standards:

- Manufactured according to current international standards for the handling of foodstuffs. German standard BGVV Emf. III; European standard EU90//128EEC; American FDA Regulation (21 CFR 177.1520 polyolefins, etc.)
- Manufactured under clean-room conditions. (European standard HACCP)
- All product components are heat cut.
- No overlaps inside the bags.
- Meticulous final cleaning and quality control.

Further information:

- Weight (net): 900kg/sac, same as for one pallet of our 25kg PP boxes
- Pallet: 1130 x 1130mm, same as for our 25 kg PP boxes
- Product Stability: Tests have been made to assure the stability and integrity of the products. (to be supplied upon request)



Until the pallets are dispatched, they are stored in designated warehouse and only handled by authorized persons.

Application of Eka Pellets™

Applications for industries with high quality demands

Our Sodium and Potassium Hydroxide Pellets are highly alkaline products and are used in a variety of applications and industries where high quality systems are needed.

Working closely with our customers, we develop special grades for several applications. We are equipped to provide customers with tailor-made products at practically any purity they require.

Pharmaceutical and cosmetic industry

- Pharmaceutical and cosmetic production/synthesis, saponification, cleaning and pH-adjustment
- Fine and laboratory chemicals (synthesis and analyses)

Electronics industry

- Chips, photoresists, semiconductors and PCB (production and stripping of photoresists and etching of metallic silicone)

Food industry

- Dry milk products (whey powder, coffee creamers and food thickeners)
- Emulsifiers (mono and diglycerides and alginates)
- Instant coffee (cleaning of production equipment and pH-adjustment)
- Edible oil (hydrogen gas production for fat hardening)

Electrolysers

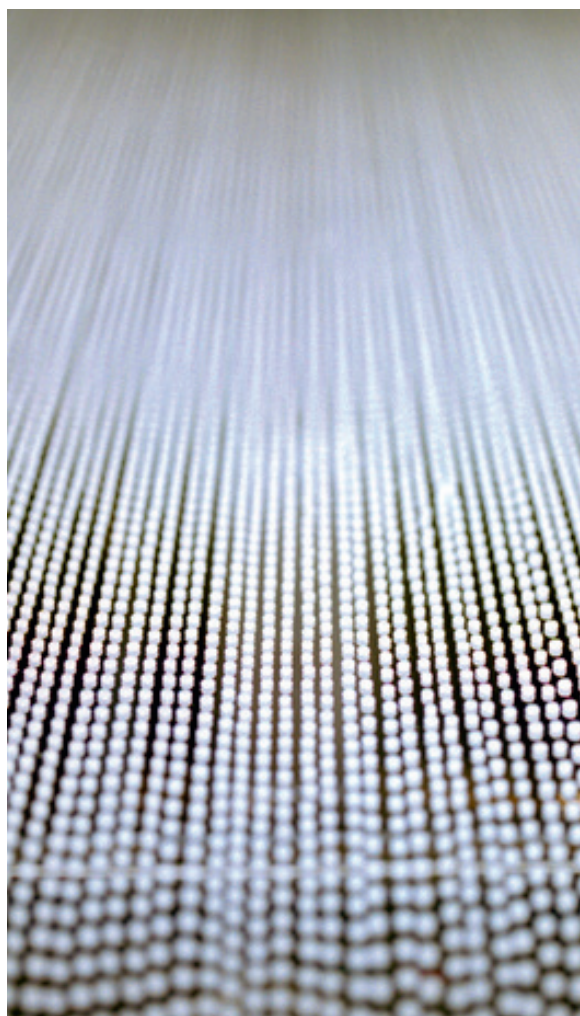
- Hydrogen gas production (electrolyte for electrolyzers)

Miscellaneous industries

- Plastic manufacture (saponification of dispersing agent, pH-adjustments, reactivation of catalyst)
- Ethoxylation (catalyst)
- Gas cleaning (absorbent of carbon dioxide, hydrogen sulphide, humidity and acidic gases)
- Surface treatment of metals (degreasing and cleaning)
- Mirror manufacture (silverplating bath)
- Nuclear power stations (storage of nuclear fuel and regeneration of anion exchangers)

Further information

For more detailed product information, please refer to our product guide. For samples, technical service and further information, please visit our website www.ekafinechemicals.com or send an e-mail to finechemicals@akzonobel.com



They might look the same on the outside, but our customization possibilities make the difference for our customers.

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www.akzonobel.com

AkzoNobel is a leading 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 consistently ranked as one of the leaders in the area of sustainability. With operations in more than 80 countries, our 50,000 people around the world are committed to delivering leading products and technologies to meet the growing demands of our fast-changing world.

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