

The Tokuyama Group's Products Contribute to the Improvement of People's Health and Hygiene

The Tokuyama Group manufactures and sells products that contribute to improving people's health and hygiene and curbing the spread of infectious diseases. The Group will continue to focus on and expand its business in the healthcare field and will promote product development and marketing for growth businesses.

Sodium Hypochlorite (Tokuyama Corporation)

Sodium hypochlorite is used widely by the public in chlorine disinfectants. A familiar example is household chlorine bleach, whose principal component is sodium hypochlorite. In addition to household chlorine bleach, sodium hypochlorite is used for public hygiene. It is added to tap water, swimming pools and septic tanks. It is used also on dairy farms. It is used to disinfect elderly care facilities and milk handling equipment and also to disinfect and deodorize barns for livestock. Sodium hypochlorite is considered an effective means of controlling norovirus.

Although sodium hypochlorite is a widely distributed chemical product, it strongly irritates the skin and generates a toxic gas if mixed with acidic detergents. It requires careful handling. It is important to use sodium hypochlorite carefully and properly after it has been diluted to the appropriate concentration.

■ Donation to Shunan City

We donated sodium hypochlorite to Shunan City in Yamaguchi Prefecture to help the city prevent the spread of COVID-19. The sodium hypochlorite donated was delivered to the city and diluted to an effective concentration. The diluted sodium hypochlorite was distributed to businesses in the city for the disinfection of their facilities.



Isopropyl Alcohol (Tokuyama Corporation)

Isopropyl alcohol is used for pharmaceuticals (see the column at right) and is an important raw material in the medical and pharmaceutical fields.

The isopropyl alcohol delivered to our customers' sites was processed and sold as isopropyl alcohol for disinfection. In Japan, isopropyl alcohol is preferred for disinfection before injections and ethanol is preferred for everyday hand disinfection because of their sterilizing power and rough skin that they can cause. Isopropyl alcohol is often used to disinfect medical devices, and our products contribute to improving hygiene at hospitals and other places.

■ Contribution to the Manufacture of Pharmaceuticals

The Company's high-quality isopropyl alcohol is manufactured using a unique direct hydration technique. It is also used as an extraction solvent in pharmaceutical manufacturing processes and is well received by customers.



A plant for manufacturing isopropyl alcohol

(Note) Isopropyl alcohol is highly flammable and volatile. Users need to be very careful about fire and static electricity in places where isopropyl alcohol is used. They also must comply with instructions for use, including requirements for adequate ventilation.

Pharmaceutical Ingredients / Intermediates (Tokuyama Corporation)

Tokuyama manufactures pharmaceutical ingredients / intermediates for lifestyle-related diseases (diabetes drugs, antihypertensives), eye drops, allergy medication, drugs for improving gastrointestinal function and antipsychotic agents, among other drugs.

We have advanced organic synthesis technology, crystallization technology, powder control and analysis technology. Using those technologies, we are providing high-purity products that meet customer needs. In addition, we have established a consistent quality assurance system that covers processes from research and development to commercial production, which has enabled us to meet our customers' requirements for high-quality products for many years. At present, we are focused on developing original and novel processes and are striving to manufacture high-purity pharmaceutical ingredients that are very economical.

In addition, the Company has identified the development of cosmetics and supplement active ingredients, areas that are peripheral to pharmaceuticals, as a new priority area and is currently strengthening development and marketing.

We will win the trust of customers with our strengths in development, sales, manufacturing and quality assurance, as well as continue to provide products that contribute to the improvement of people's quality of life (QOL).

Voice of a Development Staff Member



Takayuki Miyaoku
Life & Amenity Business
Division
MA Department

Every day, we strive to develop and introduce new technologies and develop competitive processes, leveraging the technological capabilities that we have developed through the development of pharmaceutical ingredients / intermediates. We have expanded into fields peripheral to pharmaceuticals, including cosmetics and supplements, and are expediting development to contribute to the further enhancement of people's lives.

Tokuyama Dent Zia (Tokuyama Dental Corporation)

Tokuyama Dental Corporation's mission is to contribute to the development of dental care through the manufacture and sale of dental materials and equipment and to contribute to achieving a healthy and prosperous global society.

In addition to expanding our existing business centering around the company's mainstay product, composite resin (a material for dental cavity treatment), we have been strengthening our system for developing next-generation technologies and products, including materials for dentures, prevention and oral care, with the arrival of a super-aged society.

In this environment, we launched Tokuyama Dent Zia high-purity, stabilized hypochlorous acid water in September 2018, inspired by the sodium hypochlorite manufactured by Tokuyama. Tokuyama Dent Zia, which was launched for dental care, is making contributions in dental care settings as a product capable of killing germs and preventing infections at dental clinics. The National Institute of Technology and Evaluation (NITE) has announced that hypochlorous acid water at a certain concentration more effectively controls COVID-19. Tokuyama Dent Zia meets the concentration standard at the recommended dilution ratio.

We will expand beyond the existing business domain and continue to develop unique products from our own perspective to contribute to the development of dental care and people's health.



Voice of a Dentist



Dr. Kimiyoshi Tsuchiya
Director
Nihonbashi Tsuchiya Dental
Clinical Office

We have chosen Tokuyama Dental's Tokuyama Dent Zia, which has a variety of uses. We use a spray to sterilize tooth form models, chairs for patients, cabinets, doorknobs, floors and slippers, among other things. Dent Zia has a deodorizing effect, and we use it for restrooms. It is convenient in many ways.

(Note) Tokuyama Dent Zia is solely for dental treatment and is not sold to the general public.