From an Innovative Japanese Chemical Company
Innovating the future through chemistry.

We are a pioneer of chemical innovation that continues to go forward and forward. In order to live a more affluent life, our ancestors came up with tools and developed them as science in the midst of the harsh forces of nature over a long period of history.

We human beings will continue to take steps toward further development of science in the future. As a pioneer of chemical innovation, we will continue to pursue research and development of earth-friendly chemistry and take steps toward harmonization between technologies, humans and nature.

The mission of ISK is to produce new products in order to produce earth-friendly environments.

We aim to innovate the future of the world with the power of chemistry by taking advantage of the technical capabilities we have cultivated in the world of chemistry, in order to realize a social environment where all people can live a better life.

Kenichi Tanaka
President & CEO
Innovating to brighten people’s lives with “white.”

Creating “white color” to brighten everyday life

Many of the white objects that you see in everyday life—cars and planes, washing machines and air conditioners, wallpaper and exterior house walls—owe their white color to titanium dioxide from ISK.

Our innovative titanium dioxide technology also plays an important role in electronic components, the decomposition of organic pollutants, and the purification of contaminated soil.

Inorganic Chemicals

Titanium dioxide is a typical raw material of white pigments. It has a wide range of applications in everyday life such as paints, inks, plastics, papers, and cosmetics.

Electronic components, antistatic materials, catalysts that help prevent air pollution, and more, these materials utilize technologies developed by working with titanium dioxide and have a wide range of uses from the household to the environment.

ISK endeavors to reduce environmental footprints by developing soil improvement agents and environmental cleaning materials through the employment of our ultrafine particle technology for enhancing the functionality of titanium dioxide by-products such as gypsums and iron oxides.

Coloring with “White” from Consumer Goods to Large Buildings

ISK is the only dual process holder in Japan in supplying “white” globally. In addition to the sulfate process, ISK also employs the chloride process that generates smaller amount of industrial wastes but requires higher technology.

Titanium Dioxide

TIPAQUE

Our TIPAQUE occupies the largest market share in Japan and is also popular around the world. It is the leading brand in the titanium dioxide market with its high-quality white color, excellent hiding power, and high tinting strength in resins.

TIPAQUE Yellow

Featuring high levels of safety, weather resistance, thermal resistance, and chemical resistance, our yellow pigments are used in various applications including paints and plastics.

Offering Comforts in Various Occasions

With its proprietary technologies including ultrafine particle synthesis and surface treatment, besides its use as white pigments, ISK is diversifying the applications of titanium dioxide for better living environment.

Electro-conductive Materials

Major applications of ISK’s electro-conductive products are floor coatings for clean rooms where antistatic and anti-static properties are required, and conductive coatings for rear bumpers of automobiles to enable electrostatic coatings.

High-purity Titanium Dioxide

We offer high-purity titanium dioxide, an ideal material for electroceramics.

Creating pleasant, eco-friendly spaces

We help create pleasant living environments and contribute to reduced carbon emissions and energy savings.

Heat Shield Materials

Our white, black, and transparent inorganic materials provide heat shielding in the near infrared to infrared light spectrum, and are used in paints and plastics that require heat shielding.

Protecting the Soil, Water and Natural Environment

ISK contributes to the maintenance and regeneration of essential natural environmental resources, including soil and water, by providing soil improvement agents and environmental cleaning materials developed by ISK’s proprietary ultrafine particle and functionality enhancement techniques.

Environmental Products

Soil and Water Pollution Control

The heavy metal insolubilizers prevent the spread of pollution by absorbing and insolubilizing heavy metals contained in soil and groundwater. The VOC decomposers partly contaminated soil and water by decomposing volatile organic compounds. Both products contribute to the reduction of environmental pollution.

Recycling Soft Soil

Gypsum-based soil improvement agents reform sludge and soft soil at construction sites into a state safe for and friendly to creatures more rapidly, contributing to soil recycling.
Innovating in food and health.

Make food richer and make life healthier

For contribution to day-to-day better food and healthier life, we are going ahead with research and development without tiring. To supply safely and stably every food stuff and to accelerate evolution of medical science, our agrochemicals and our new medicines get deeply involved in food and health, respectively. ISK brings about innovations in these fields with its proprietary technologies and bolster up the world.

Agrochemicals

Capitalizing our world-class technical skills cultivated for more than half a century, we have gained high reputation worldwide by developing agrochemicals with high safety and low environmental loads.

Animal Health Products

We develop and supply innovative veterinary drugs to protect the lives and health of pets.

Pharmaceuticals

Utilizing organic synthesis technologies cultivated in agrochemical development, we continue to expand into new business areas—developing, manufacturing, and selling drug substances that become pharmaceutical active ingredients, organic intermediates that are the raw materials of drugs, and reagents that support pharmaceutical research.

Supporting the Stable Supply of Agricultural Products

Since the introduction of herbicide from overseas about 70 years ago, we have been providing agrochemicals that are friendly to humans and the environment with world-class development capabilities to support stable supply of agricultural products to consumers around the world.

Agrochemicals

Herbicides

Our herbicides, safe for humans/mammals and environmentally friendly, are widely used in paddies and upland field and have been contributing to safe and sustainable food production.

Fungicides

Our highly original-agents have safety profiles to the environment, animals and human and are widely used as main control agents for fungal disease caused by oomycetes, ascomycetes, etc.

Insecticides and Nematicides

We offer unique agents—broad-spectrum insecticides and insecticides highly effective against aphids and other sucking insects, as well as nematicides that can control pests in the soil and on the ground.

Biological Insecticides

Our natural enemy biological products eliminate spider mites and other microorganisms, and our microbial products control sclerotium rot. The use of chemical pesticides can be reduced by using these biological insecticides in combination with control technologies that have low impact on them, thereby lightening environmental impact.

Protecting the Health of Pets

Animal Health Products

We aim to protect pets from diseases, and provide new drugs and reliable services to pet owners.

Pharmaceuticals

Our active pharmaceutical ingredients and organic intermediates provide the basis for pharmaceutical development, and our research reagents lead to breakthroughs in biotechnological and pharmaceutical research. All are highly acclaimed both in Japan and overseas. We are playing an important role in the pharmaceutical field to maintain people’s health.

Active Pharmaceutical Ingredients

Utilizing technologies developed in the agrochemicals business, we produce high-quality active pharmaceutical ingredients at a factory compliant with Good Manufacturing Practices (GMP), and ensure stable supplies to pharmaceutical companies in Japan.

Research Reagents

We sell research reagents including HVJ envelope vector, a reagent for gene functional analyses, to domestic and overseas universities and pharmaceutical companies.

Medicinal Products for Animal Use

We sell our drug substance, used for the world’s first anti-pancreatitis agent for dogs, to the company with whom we jointly developed it in Japan. In the United States and Europe, we are working independently to obtain approval of the final product of the agent for commercialization. Our goal is to provide superior products that meet the needs of pet owners and animal health workers.

Contributing to Advancements in Medicine

Our organic intermediates and synthesis technologies are contributing to the development of new medicines including CF3-pyridine derivatives, which significantly help pharmaceuticals exhibit physiological activities.

Research Reagents

We sell research reagents including HVJ envelope vector, a reagent for gene functional analyses, to domestic and overseas universities and pharmaceutical companies.
World’s Most Advanced Development Capability

One-of-a-kind products with human-earth friendly technology

The strengths of all our products that are globally valued in both inorganic and organic fields are high added value based on our own technological development capabilities cultivated since our foundation. We look ahead the future, establish a research and development system that proactively challenges new fields, and continue to create one-of-a-kind products with our innovative technologies that are friendly to people and the earth.

Inorganic Chemicals Division

The Inorganic Chemistry Division is advancing research and development of high value added products that contribute to the environment and energy saving by utilizing core technologies such as fine particle synthesis technology cultivated in the production of titanium dioxide pigment. In addition, the division is actively engaged in basic research to develop new businesses and in process development for manufacturing next-generation products.

Organic Chemicals Division

To help achieve stable food supply around the globe, the Organic Chemicals Division engages in R&D that aims to develop highly effective agrochemicals that are very safe and environmentally compatible. In recent years the division has also been developing products for the medical field and animal healthcare.

Titanium Dioxide Plant

Japan’s only plant that employs the chloride method to produce titanium dioxide. Two types of manufacturing processes — chloride and sulfate — are used to produce approximately 50% of the titanium dioxide manufactured in Japan, which is also exported to Asia and other parts of the world.

Pharmaceuticals Plant

Manufactures and supplies to pharmaceutical companies the active pharmaceutical ingredient of cevimeline hydrochloride, a medication for the treatment of patients with Sjögren’s syndrome, with symptoms including dry mouths, etc., which is caused by salivary and tear gland dysfunctions. Manufacturing is approved by the U.S. Food and Drug Administration (FDA).

Reliable Safety and Quality Production

Our world-class manufacturing system makes products that support the world today.

The Yokkaichi Plant is a manufacturing center for titanium dioxide and many other products. On a 70-hectare land site (173 acres) stand wastewater treatment facilities with a 200,000-ton daily capacity as part of a world-class manufacturing system that features strong environmental management and quality management. The stable supply of safe, high-quality products supports the world today.

ISK’s Quality Management System

Our Yokkaichi Plant has got ISO 9001 certification in April 1996 and continues to carry out Quality control meeting at the highest levels. Periodic QMS internal audits are conducted, and a QMS committee and quality management committee are in place as part of a management system that ensures high quality.

Functional Materials Plant

Manufactures ultramicro titanium dioxide, high-purity titanium dioxide, photocatalytic titanium dioxide, white conductive powder, and other functional materials that are closely integrated into people’s lives.

Agrochemicals and Organic Intermediates Plant

Primarily engages in the commercial production of herbicides, insecticides, fungicides, and other agrochemicals. Also manufactures organic intermediates for pharmaceuticals and agrochemicals that are supplied to other countries.

Pharmaceuticals Plant

Manufactures and supplies to pharmaceutical companies the active pharmaceutical ingredient of crocinone hydroxide hydrochloride, a medication for the treatment of patients with Sjögren’s syndrome, with symptoms including dry mouths, etc., which is caused by salivary and tear gland dysfunctions. Manufacturing is approved by the U.S. Food and Drug Administration (FDA).

Chemical Products Plant

For effective utilization of the by-products of titanium dioxide, the plant produces gypsum, iron oxide and other environmental products that assist in environmental improvement. Also, the effluent from each plant is treated properly according to the law.
compatibility of innovation and environmental protection

nothing can ever make up for a degraded environment.

producing technological innovation while protecting the environment is the perpetual theme of the chemical manufacturers.

in light of unfortunate past results of putting economic activities first, the company has established an environmental protection division at each business location and administrative division as part of a complete environmental protection system.

by actively working to protect the environment we continue to move forward as a strong and responsible chemical company.

promoting responsible care and sharing information

our environment, safety & health management committee deliberates on the best policies for environmental conservation in general, occupational safety and health, and chemical substance management. under this committee, we have established specific committees and councils, and promote various activities related to the environment, and to occupational safety and health. in addition, the yokkaichi plant acquired iso 14001 certification in april 2011. it carries out daily environmental management activities and is working to make further improvements.

disclosing information on environmental protection

the yokkaichi plant sets up the environmental information display in front of the main entrance of the plant. it provides information to visitors and serves to raise environmental awareness among employees.

we release nox concentrations in exhaust gas and other figures subject to water quality regulations.

we create and maintain safety data sheets (sds) for all products and intermediates to consolidate hazard and toxicity information. we are diligent about keeping environmental protection and occupational safety and health well.

we supply information regarding the safety of chemical substances.

proper management of chemical substances

we offer plant tours and participate in local events to actively communicate with citizens. we assure a more open and cooperative, harmonizing as a good corporate citizen.

every year we participate in local river and roadside cleanup activities organized by a neighborhood association.

the yokkaichi plant sets up the environmental information display in front of the main entrance of the plant. it provides information to visitors and serves to raise environmental awareness among employees.

we release nox concentrations in exhaust gas and other figures subject to water quality regulations.

we supply information regarding the safety of chemical substances.

basic philosophy

- contribute to social development, protection of life and environmental preservation
- respect shareholders, customers, suppliers, local communities and employees
- abide by laws and regulations; maintain transparency in business activities

code of conduct

- at ishihara group, we will strictly observe laws, regulations, social norms and company rules, while steadfastly adhering to high ethical standards, so as to gain social trust in our business.
- in manufacturing activities, we will place the utmost priority on global environmental protection, as well as on worker safety, and will work to prevent any workplace accident or disaster.
- on the basis of respect for human rights, we will promote mutual understanding and cooperation among employees, in order to create an open and friendly workplace.
- to maintain transparency in our business activities, we will promote communication with local communities and society, and will disclose corporate information in a timely and appropriate manner.

our environment, safety & health management committee deliberates on the best policies for environmental conservation in general, occupational safety and health, and chemical substance management. under this committee, we have established specific committees and councils, and promote various activities related to the environment, and to occupational safety and health. in addition, the yokkaichi plant acquired iso 14001 certification in april 2011. it carries out daily environmental management activities and is working to make further improvements.

promoting responsible care activities—listening to the concerns of citizens and developing mutual understanding through dialogue. we also share information on environmental protection and occupational safety and health in our csr reports.

we carry out responsible care activities—listening to the concerns of citizens and developing mutual understanding through dialogue. we also share information on environmental protection and occupational safety and health in our csr reports.

we create and maintain safety data sheets (sds) for all products and intermediates to consolidate hazard and toxicity information. we are diligent about keeping environmental protection and occupational safety and health well.

we supply information regarding the safety of chemical substances.

proper management of chemical substances

we create and maintain safety data sheets (sds) for all products and intermediates to consolidate hazard and toxicity information. we are diligent about keeping environmental protection and occupational safety and health well.

we supply information regarding the safety of chemical substances.

basic philosophy

- contribute to social development, protection of life and environmental preservation
- respect shareholders, customers, suppliers, local communities and employees
- abide by laws and regulations; maintain transparency in business activities

code of conduct

- at ishihara group, we will strictly observe laws, regulations, social norms and company rules, while steadfastly adhering to high ethical standards, so as to gain social trust in our business.
- in manufacturing activities, we will place the utmost priority on global environmental protection, as well as on worker safety, and will work to prevent any workplace accident or disaster.
- on the basis of respect for human rights, we will promote mutual understanding and cooperation among employees, in order to create an open and friendly workplace.
- to maintain transparency in our business activities, we will promote communication with local communities and society, and will disclose corporate information in a timely and appropriate manner.

environmental protection

history

sep. 1920: hiroichiro ishihara established in osaka nanyo mining partnership co., a firm dedicated to iron mining in surimedan, johol on the malay peninsula.

may 1924: purchased an iron and manganese mine in kemaman, torenganu on the malay peninsula.

aug. 1929: renamed the firm ishihara sangyo marine partnership.

mar. 1934: reorganized the firm into a limited company. opened the kishu mine in ishikawa.

aug. 1929: commenced the construction of the chloride processed titanium dioxide plant in yokkaichi.

sep. 1940: completed the saito mine in yamato.

feb. 1949: established isshihara sangyo kaisha, ltd.

apr. 1949: purchased an iron and manganese mine in kemaman, torenganu on the malay peninsula.

sep. 1950: completed the saito mine in yamato.

mar. 1954: constructed the sulfuric acid plant in yokkaichi that employed the sulfur combustion method.

sep. 1958: established ishihara sangyo marine partnership.

mar. 1963: constructed the company's first sulfuric acid plant in yokkaichi.

apr. 1965: commenced the construction of the chloride processed titanium dioxide plant in yokkaichi.

sep. 1970: received local governments' orders to take measures under the waste management and public cleansing act.

aug. 1989: established ishikawa chemical co., ltd. (now ishikawa chemical industries, ltd.) as a wholly owned subsidiary.

sep. 2005: established ishikawa chemical co., ltd. (now ishikawa chemical industries, ltd.) as a wholly owned subsidiary.

oct. 2005: established ishikawa chemical co., ltd. (now ishikawa chemical industries, ltd.) as a wholly owned subsidiary.

jan. 2018: received a manufacturing and marketing approval for veterinary drugs in japan.