

Environmentally Friendly Products and Technologies that Contribute to a Sustainable Future

Natural food dyes

Food dyes add color to food products and enrich our dietary life. Our natural food dyes are the products made from naturally-derived ingredients that come from nature.

Demand for these is growing steadily, driven by their safety for human consumption and their environmentally friendly nature. Some of our products have acquired Halal certification, enabling us to meet the expectations of customers in Islamic countries.



Bio-PTG (Polymer materials)

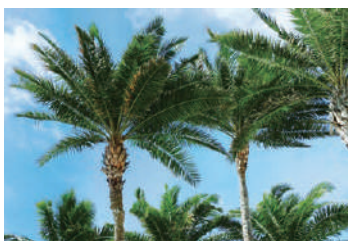
PTG, one type of polyol that is a polyurethane raw material, is an indispensable raw material for spandex and other products. With a proven track record of over 10 years, Hodogaya Chemical was the first company in Japan to develop and sell Bio-PTG, which possesses the same quality as traditional PTG but is environmentally friendly because the main raw materials were switched from petroleum-derived ones to plant-derived ones. In addition, we are developing a special grade of plant-derived products.



ODI (Phosgene derivative)

Octadecylisocyanate (ODI), a raw material for release agents, paints, and coating materials, is made from vegetable oil and fat, and meets the needs of customers from all over the world.

Because it is derived from vegetables, it helps control the occurrence of environmental CO₂, which is said to be a cause of climate change.



Hydrogen peroxide

In addition to its traditional uses as a paper pulp bleach and industrial chemical, hydrogen peroxide is used as an oxidizing agent in the chemical oxidative decomposition method for decontaminating soil. It is possible to directly decompose oils in the soil through oxidation by injecting an oxidizing agent into or stirring it into contaminated soil.

Hydrogen peroxide, which breaks down into water and oxygen, is a clean, environmentally friendly oxidizing agent, and it is expected that broader application of it will be made in the future.



Peracetic acid formulation

The peracetic acid formulation OXYATTACK (disinfectant agent for food products), a hydrogen peroxide derivative, was introduced into the market in 2017.

While having powerful anti-bacterial effects on vegetables, fruit and meat, it is broken down into acetic acid and water after use, and does not generate chlorine either, making it an environmentally friendly product that has won the approval of customers.



Oxygen supply materials (agricultural materials)

In recent years, extreme weather conditions, including torrential rains and typhoons have become more frequent with each passing year. In addition to the direct damage that these events cause to farmland, crop yield are also affected due to moisture damage. As an application of hydrogen peroxide derivatives in the agricultural field, we provide customers with oxygen supply materials that promote healthy growth by supplying oxygen to soil harmed by bad weather and other factors, thereby improving the growing environment for crops as a countermeasure against moisture damage. These are also environmentally friendly products that do not contaminate farm land.

