

The Kinka Chemical Society has granted Osaka Gas the 2023 KCS Award in Chemical and Environmental Technology for the development and application of TioClean®, an antibacterial and antiviral agent

October 1, 2024
Osaka Gas Co., Ltd.
Osaka Gas Chemicals Co., Ltd.

Osaka Gas and its wholly owned subsidiary Osaka Gas Chemicals have received the 2023 the Kinka Chemical Society (KCS) Award in Chemical and Environmental Technology¹ for the development and application of TioClean®,² an antibacterial and antiviral agent.

TioClean® is an antibacterial and antiviral agent that combines Osaka Gas's proprietary photocatalyst³ with additives, exhibiting powerful and long-lasting effectiveness against a wide range of bacteria and viruses, regardless of whether it is exposed to ultraviolet light or visible light, or in darkness. Moreover, it is easy to use, as it combines the highly sought-after characteristics of an antibacterial and antiviral agent, that is, transparency, adhesion to substrates, and antibacterial and antiviral properties in a wide range of environments.

Projects are under way to have this technology adopted in public facilities, medical equipment, hygiene products, and more.

This award has been granted in high appreciation of Osaka Gas's effort to market this material as well as the innovativeness of the technology.

The Daigas Group will remain committed to becoming a corporate group that contributes to further improving its customers' daily lives and businesses by creating new businesses in growing industries.

1. This award is given by the Kinka Chemical Society, a public interest incorporated association with over 100 years of history and tradition, to "recognized outstanding achievements in chemical research and technology that have demonstrated industrial, social, and academic value, as well as new or improved technologies that are proactively aware of and oriented toward harmonious existence with and the maintenance and improvement of the global environment and have demonstrated industrial, social, and academic value."

2. Click below for more details about TioClean®:

https://www.daigasgroup.com/en/rd/topic/1768542_56103.html

3. A catalyst that begins to function when exposed to light, made possible by a technology that utilizes the photocatalytic reaction of titanium oxide

<Photo 1: Appearance of TioClean®>

- Aqueous dispersion containing fine components



<Photo 2: Award ceremony>

