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Ube Material Industries, Ltd.

Ube Material Industries Announces **Second Experiment Video Posted by
Okayama Technical High School**
*Water Purification Using Magnesium Hydroxide at
Okayama Municipal Ishima Elementary School*

Ube Material Industries, Ltd. (Head office: Ube City, Yamaguchi Prefecture; President: Hiroshi Nishida) announced today that the second video of water purification experiments using magnesium hydroxide has been posted to Okayama Technical High School's website (URL: http://www.okako.okayama-c.ed.jp/okako_chemical.html *YouTube link image near the middle of the page).

Okayama Technical High School has established a curriculum to help students develop problem-solving skills and creativity by participating in research projects. Magnesium hydroxide made by Ube Material Industries was selected as a material for water purification experiments conducted as part of the curriculum. Ube Material Industries has continued to support this curriculum, including by providing materials for testing and exchanging information, and a certain level of results have now been achieved, with the results posted in the form of a video.

In the video, a combination of clay (crushed Bizen ware) and Ube Material Industries' magnesium hydroxide is considered for the purpose of purifying water quality in a pond at Okayama Municipal Ishima Elementary School located near Okayama Technical High School. In addition to showing the effect of reduced water turbidity, the video makes it easy to understand the high level of safety for aquatic organisms, in particular. Readers are invited to visit Okayama Technical High School's website to watch the video.

Ube Material Industries' magnesium hydroxide is used as a water quality and bottom sediment improvement agent as well as for flue gas desulfurization and acidic wastewater neutralization. It has broad applications in contemporary society.

Inquiries

Hiroaki Okada, Yukiko Miura, Shunya Tanaka, Koki Takahashi
Marketing & Planning Department, Magnesia Division
Ube Material Industries, Ltd.

Address: 1985 Kogushi, Ube City, Yamaguchi Prefecture 755-8510

Phone: +81-836-31-6085

Fax: +81-836-31-0275