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Ube Material Industries, Ltd.

**Ube Material Industries Announces Experiment Video Posted by
Okayama Technical High School**
Water Purification Using Magnesium Hydroxide

Ube Material Industries, Ltd. (Head office: Ube City, Yamaguchi Prefecture; President: Hiroshi Nishida) announced today that a 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 cooperated with this curriculum for a long time, 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.

The water purification experiments in the video start with beaker tests and develop into a field test combined with equipment. The video makes it very easy to understand that brining magnesium hydroxide into contact with environmental water that is thick with algae has the effect of reducing water turbidity. It clearly shows the purifying action of magnesium hydroxide. Readers are invited to visit the 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.

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