



## Titanium Dioxide (TiO<sub>2</sub>)

Photocatalysis is a catalytic reaction formed when TiO<sub>2</sub> is irradiated by near ultraviolet rays from the sun or a light source. In the presence of near ultraviolet light, Titanium Dioxide (TiO<sub>2</sub>) breaks down organic matter in the form of airborne microorganisms (such as airborne bacteria, mold, viruses, fungi, smoke and household odors) into carbon dioxide (CO<sub>2</sub>) and water (H<sub>2</sub>O).

