

Sunblock

Titanium dioxide is used in many brands of sunblock. TiO_2 absorbs UV rays, preventing them from damaging your skin, and doesn't break down in sunlight. Nano-sized TiO_2 particles are so small that they don't reflect visible light, making the sunblock transparent on skin. You won't have a white nose! When it washes off, however, the sunblock releases nanoparticles into the environment. Sunblocks could contain nano-sized zinc oxide instead of titanium dioxide.

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Toothpaste

Titanium dioxide is used as a mild abrasive in toothpaste. It also makes the paste bright white, which many consumers find pleasing. Alternatives to TiO_2 in toothpaste include calcium carbonate (as an abrasive) and synthetic dyes (as a whitener).

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Water Repellent

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Nano-sized titanium dioxide is used in water repellent products for vehicles, shoes, clothing, and windows. The TiO₂ in these hydrophobic coatings also helps prevent degradation from UV ray exposure. The nanoparticles are released into the environment when the coating washes away.

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products white. It also reduces transparency, making products more opaque. It acts as a desiccant, preventing clumping and personal care products. TiO₂ is used as a colorant, making deterioration by absorbing, reflecting, or scattering light. making the formulation smooth. TiO₂ also helps prevent Titanium dioxide has many uses in cosmetics and other

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Multivitamins

Titanium dioxide is used in dietary supplements as a filler and to give tablets a brighter appearance. TiO₂ also acts as a desiccant, preventing moisture damage. Some manufacturers choose not to use titanium dioxide, as there are no definitive research findings on the safety of digesting it.

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Paint

Titanium dioxide is the most widely used white pigment because of its brightness and opacity. White paint made with TiO_2 has high hiding power making it able to mask or hide the surface underneath. Because there is not enough research on the environmental impact of titanium dioxide, it is important to properly dispose of or recycle products containing this substance.

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