Cufitec™

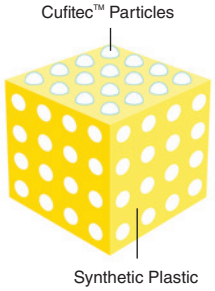
Anti-viral and anti-bacterial technology, Cufitec™, can be added to a wide range of materials.

* The performance of products developed with Cufitec™ can be verified by our internal laboratory.

A confidentiality agreement is required in order to provide the following Cufitec™ products.

Cufitec™ is an anti-viral and anti-bacterial technology utilizing nanoparticles of a monovalent copper compound, and a patented technology of NBC Meshtec Inc.

Blended into plastic

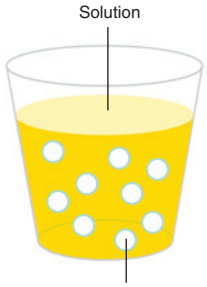


Cufitec™ Master Batch (PP, PE)

Cufitec™ can be blended into films, plastic containers, and other molded products, as well as fabrics, and can reduce the quantity of viruses or bacteria that adhere to the surface.

* Please contact us regarding materials other than the above.
* Please contact us also regarding the full compound.

Mixed into a solution



Cufitec™ coatings

We can provide Cufitec™ coatings (UV-curing type) that can be applied to POE, PE, PET, and other film materials.

Cufitec™ dispersion

A Cufitec™ dispersion (an additive in which Cufitec™ particles are dispersed in an organic solvent or water) can be added to plastics, coatings, paints, inks, and other materials.

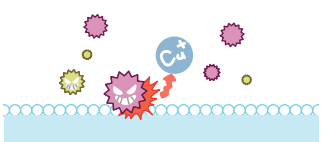
Cufitec™ alcohol disinfectants

Cufitec™ can be added to alcohol or other solvents for use in spray products and wet wipes.
Cufitec™ particles remain on the surface and provides anti-viral effects for around one week after the alcohol evaporates.

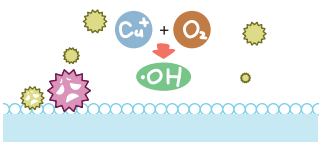
Cufitec™ dispersion

Cufitec™ alcohol disinfectants

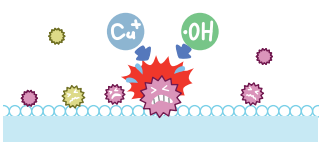
Anti-viral and anti-bacterial mechanism



When nanoparticles of a monovalent copper compound collide with viruses or bacteria, they elute monovalent copper ions into the ambient moisture.



Monovalent copper ions react with oxygen to produce reactive oxygen.



The power of copper ions and reactive oxygen act together reduce viruses and bacteria.

NBC Meshtec Inc.

2-50-3 Toyoda, Hino, Tokyo 191-0053, Japan
TEL : +81(42)582-2496 FAX : +81(42)582-4440 E-mail : cufitec_nbc@nisshin.com