



Memorandum

Titanium Dioxide EU Prohibition and Relevancy to BioDefense 24/7 Food Contact Surface Coating

With this memorandum is an attached article commenting on the EU's recent stance on use of Food Grade titanium dioxide. It is no longer EU approved as a food additive. However, Britain, Canada, and the USA appear to disagree.

Regardless, the titanium dioxide utilized within **BioDefense 24/7 FCSC** (food contact surface coating) is of a different nature and not constructed for or has ever made claims for use as a food additive. The TiO₂ we provide has a stand-alone unique construction and validation as follows:

1. **BioDefense 24/7 FCSC** is like approved suntan protection lotions. Our TiO₂ will not penetrate from epidermal to endodermal skin layers.
2. FDA contact FDA clearance of our formulation provides proofing that when applied to surfaces, it will not leach or provide toxicity.
3. Our laboratory utilizes an inseparable fusion of all our Nano compounds creating an electrical fusion that "marries" our active ingredients, rather than a compounded suspension that can disperse indiscriminately.
4. **BioDefense 24/7 FCSC** technology has not only passed food contact approval, but also passes or exceeds industry standards for:

Boeing D6-17487
Boeing D6-7127
Douglas CSD #1
Aerospace Materials Specification 1650C
ASTM B117
ASTM F1110
ASTM F483
ASTM F519-93
ASTM F519
ASTM F485
ASTM F502
ASTM F484
ASTM D56