

IGIENIZZANTE PERMANENTE



DATA SHEET CHARACTERISTICS

Name:	PhotoACTIVE®
UFI:	Yes
Surgical medical device:	No
Base of the mix:	Water based
Appearance:	Whitish liquid
Odor:	None
pH:	From 1,7 to 3,3
Specific weight:	0,99 g/cm ³
Danger level:	Read the MSDS
Use:	SU3, PC30, PROC7, PROC11, AC4a, AC4e, AC4g, AC5a, AC5e, AC7a, AC8g, AC13a, AC13e, ERC5, ESVOC SPERC 4.3a.v1, ESVOC SPERC 8.3b.v1
Customs code:	2614 0000 00 - TITANIUM ORE AND THEIR CONCENTRATES: - OTHER
HS Code:	261400 - TITANIUM ORES AND CONCENTRATES
Revision:	Rev.1 - 2023

PHYSICAL CHARACTERISTICS

PhotoACTIVE® is not a surgical medical device but a photocatalytic amorphous colloidal solution on an aqueous basis which is stable at room temperature and, once perfectly dry on the support, it shows a high adhesion. If the drying process is too slow, it may resort to heating the substrate (not exceeding 100°C), with a considerable increase in the hardness of the coating layer. It has strong adhesive properties on many surfaces.

FIELDS OF APPLICATION

Its active formula at room temperature and its strong adhesive power allow the application of various types of materials, such as steel, aluminium, metals, ceramics, painted surfaces, plastic, paper, electric cables, wood, parquet, and much more still. Laboratory tests certify that the product lasts at least two years. Dries in seconds. It can be packaged in spray cans.

PROPERTY

The substrate coated with PhotoACTIVE® acquires the following properties:

Permanent sanitizer: through a photochemical process, acting on the lipid membrane of the bacteria, it denatures them by reducing the bacterial load on the treated surfaces.

Self-cleaning: through a photochemical process of oxidation, destroying all the organic matter with which it comes into contact, transforming it into water vapor and non-toxic minerals. Applied on fabrics it makes them self-cleaning with simple exposure to daylight.

Depolluting: applied on external surfaces it reduces the concentration of NO_x, SO_x and PM_x in the air.

Anti-odour: when applied to internal surfaces, eliminates odor by reducing the concentration of VOCs in the air. It also reduces the concentration of any harmful pollutants.

Air purification: the air contaminated by pollutants, viruses, bacteria, VOCs is purified only by the simple contact of the air with the surface coated with PhotoACTIVE®.

Can also be used in filters that can be inserted into air treatment systems and air conditioners.

FOOD CONTACT:

The product was analyzed by the Accredia certified analysis laboratory and accredited as a laboratory that carries out analyzes for products intended to come into contact with food according to EN 11861:2002 and EN 11863:2002, as well as governed by Ministerial Decree 72 of 09/ 05/2019 which updates the D.M. 21/03/73 Reg. 1935/2004.

Absence of heavy metals: analyzes performed in an accredited laboratory demonstrate the absence of heavy metals contained in the solution.

FOOD CONTACT YIELD

By applying the product by spray with an HVLP airless with a 0.5 mm nozzle, i.e. 2 coats of product (one horizontal and one vertical) with a SATA HVLP airbrush, the consumption must be between 5 and 6 g/m² to obtain the following ratio: The calculations were made assuming that 1 kg. of food comes into contact with 6 dm² of product.

For production lines, always 0.5 mm nozzle with fixed or mobile HVLP gun.

Consult our technical management for in-depth information.

SPECIFICATION ITEM

Permanent sanitizer in liquid solution based on highly adhesive and hyper-hydrophilic colloidal amorphous titanium dioxide with a high level of photocatalysis, for the treatment of surfaces exposed to air, designed to guarantee the protection of the substrate on which it has been applied over time. The product is activated by daylight. Contains less than 1% titanium dioxide, therefore not subject to be listed as a hazardous ingredient.

CONSERVATION, EXPIRY DATE, WARRANTY

PhotoACTIVE® has an expiration date of two years from the date of manufacture if stored in a cool, unrefrigerated, dry place and not exposed to the sun. Apply the product following the steps described in the application protocol. L&G supplies the essential qualities of the product from the moment of application until the end of the drying process, provided that there are no factors independent of L&G which could influence the drying. L&G also guarantees that the laboratory tests performed certify the efficiency of the product for at least 2 years from application.

PhotoACTIVE® is a registered trademark of L&G Holding srl

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