



Read before  
Cleaning or Disinfecting Sony Audio/Video equipment.  
Sony's information and recommendations.

18<sup>th</sup> of May 2020

## | Purpose of this document : Guidelines for Cleaning or Disinfection of SONY Products



This guide is not a medical recommendation in respect of cleaning and disinfecting products. The user of the guide is responsible for following their own best practices and complying with any relevant government guidelines in respect of undertaking cleaning of equipment including adopting the appropriate “barrier measures”. Consequentially Sony disclaims any responsibility in respect of the use of the information in this guide for the purposes of the use, handling and cleaning of equipment.”

## Outline of the basic guidelines on disinfection of Sony broadcast and professional products



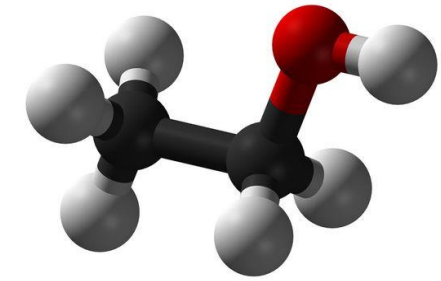
1. Types of disinfecting agents and recommended agents
2. Suggested Disinfection Method for Products
3. Materials that can be damaged by cleaning or disinfecting with chemical agents
4. Quality assurance policy about wiping external surface with disinfectant or chemicals and UV rays

## 1: Types of disinfecting agents and recommended agents

Representative disinfecting agents are listed below and the recommended agent for disinfecting products is diluted ethanol. If unrecommended agents are used for disinfecting products, the decision has to be made with full knowledge of risks about disinfection agent on SONY products aspect and working.

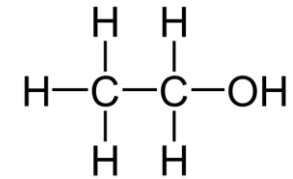
Agent	Type	Comment	Statut
ALCOHOLS	<b>Ethanol</b>	>=80%	<b>RECOMMENDED</b>
ISOPROPYL ALCOHOL	Isopropanol	<ul style="list-style-type: none"> <li>It shows stronger effect of degreasing than ethanol. When 70 vol% isopropanol is used for hand disinfecting it will likely roughen hands.</li> <li>Therefore <b>ethanol</b> is recommended from the safety point of view, although isopropanol is cheaper disinfecting agent.</li> </ul>	<b>Not Recommended</b>
ALKALINE CLEANING SOLUTION	Sodium Hypochlorite	<ul style="list-style-type: none"> <li>It is not suitable for disinfecting metal parts due to its strong corrosiveness.</li> </ul>	<b>Not Recommended</b>
BENZINE		<ul style="list-style-type: none"> <li>These agents are not disinfecting agents and are not recommended for use as disinfect products due to <b>the risk of products surface damage.</b></li> </ul>	<b>Not Recommended</b>
THINNER			
ACID CLEANING SOLUTION			
CLEANING SOLUTION WITH POLISHING MATERIAL			
DUST CLOTH WITH CHEMICAL MATERIALS			

## 2: Suggested Disinfection Method for Products



➤ Disinfecting agent for products

76.9 - 81.4vol% **ethanol**



➤ Disinfection method for products



1. Protect yourself with appropriate gloves and Surgery mask (Covid-19 approved)
2. Dampen soft cloth made of cotton, such as gauze, with appropriate amount of **ethanol**.
3. Wipe products surface lightly once. (estimated load is about 2 Newtons).

### 3: Materials that can be damaged by cleaning or disinfecting with chemical agents

#### ➤ **Clear plastic (PC, acrylic, etc.)** : Disinfection Not Recommended

- Possibility to turn whitish



#### ➤ **Lens** : Prohibit to disinfect

- Possibility to peel off the surface coating
- Possibility to dissolve the adhesive when the agent get into the gap around the lens or the lens barrel



#### ➤ **Monitor screen** : Prohibit to disinfect

- Possibility to peel off the surface coating



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### 3: UV disinfection method: **NOT RECOMMENDED**

- **OLED pixels:** Blackening(Collapse) of Organic electro-luminescence layer by frequent UV disinfection treatments.
- **LCD pixels:** liquid crystal is sensitive to UV exposure. Picture Quality of the display panel should be affected by UV light exposure.
- **Metal cabinet:** Tarnish by frequent UV disinfection treatments.
- **Painted metal:** Crack of paint layer, tarnish, yellowing by frequent UV disinfection treatments.
- **Resin(Plastic):** Degradation (crack, tarnish, yellowing) by frequent UV disinfection treatments.
- **Films of AR or others:** Yellowing and Whitening



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#### 4: Quality assurance policy about wiping external surface with disinfectant or chemicals or UV

- The quality of the product surface cannot be guaranteed after disinfection because it is not assumed that the products surface is disinfected with chemical agent from the general quality assurance point of view.
- Due to the current emergency situation relating to COVID 19, customers may wish to prioritize the disinfecting of the equipment over the potential risks to the product surface. In these cases the risks to product quality as noted above should be recognized and accepted before the disinfecting takes place.
- Do not disinfect excessively, because frequent disinfection will accelerate the deterioration of the surface of the products.
- Do not use UV Light to disinfect Products like OLED and LCD devices like Monitors, Viewfinders, Displays.



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