



airandé
SUPERIOR DISINFECTION SOLUTIONS

Airandé

**The importance of disinfection
in nursery schools, daycare
centres, and pre-schools**



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Preamble



- ❖ Every year, there are many debates on hygiene in nurseries, daycare centres, and pre-schools following numerous incidents of outbreaks of gastroenteritis, rotavirus, influenza, bronchiolitis, measles or other contagious diseases in these places.
- ❖ Infectious risks in nurseries, daycare, and pre-schools are likely because of the many exchanges between children (toys, baby bottles, playing, etc ...).
- ❖ Often, toys and bottles are little-disinfected or not disinfected at all - resulting in the transmission of pathogenic micro-organisms.
- ❖ Infectious risks can also arise due to poor staff hygiene and poorly cleaned environments.



Respecting the rules of good hygiene



- ✓ Ensure staff maintain rigorous hand hygiene before and after food contact, changing of diapers, toileting ...
- ✓ Wash the children's hands properly at the beginning of the day, before and after meals, after having been in the toilet, after having played with other children or pet animals kept on site ...
- ✓ Manage daily cleaning and disinfection of the rooms in which the children spend their time.
- ✓ Ensure that all surfaces, tables, carpets, toilets, etc are regularly cleaned.
- ✓ Disinfect changing tables after each use.
- ✓ Bottles can be an important source of contamination – clean them in a disinfected room.
- ✓ Implement a protocol for cleaning and disinfecting toys.



Respecting the rules of good hygiene



- ✓ Wear clean, loose work clothes that are washed/cleaned at high temperatures.
- ✓ The clothes are ideally changed every 2 days.
- ✓ Provide disposable gloves at strategic locations.
- ✓ Provide regular hygiene training to staff and children.
- ✓ Install in the appropriate places posters reminding all about rules of hand hygiene.



Assess and Manage the Risks of Cleaning

- Most of cleaning and disinfecting products used are of chemical origin.
- Some products contain substances that are toxic to the environment and to users.
- It is therefore important to pay attention to the safety sheets that suppliers must give you.
- You need to be aware of the regulatory references for processes and products used for cleaning materials and articles intended to come into contact with food, products and beverages for human consumption.



Managing the risks of contamination and disinfection: Airandé - holistic solutions!

• A new ecological solution in disinfection: H₂O₂ !

- + safe because it breaks down in H₂O and O₂
- Eco-friendly and environmentally friendly
- Not dangerous for users
- Broad spectrum of action
- Speed of action
- No deposit on surfaces, no condensation
- No corrosion at low concentration
- No Volatile Organic Compounds (VOCs)



Cleaning and manual disinfection with H_2O_2

- ✓ 3.26% peroxide solution
- ✓ Ready-to-use
- ✓ Bactericidal, fungicidal, virucidal and sporicidal.
- ✓ Fast action
- ✓ Leaves no residue on surfaces
- ✓ Certified biocide
- ✓ Safe for users
- ✓ Respectful of the environment



Airborne disinfection - 'dry fog'

- ✓ Homogenous disinfection even in hard-to-reach areas
- ✓ Allows rapid disinfection of premises and surfaces
- ✓ The spray does not generate any moisture
- ✓ Complements and follows manual cleaning
- ✓ Autonomous, portable, fast
- ✓ No extra work
- ✓ Destroys 99.999% of germs
- ✓ Disinfection in 1 hour
- ✓ Easy and fast programming of the device
- ✓ No human should be present during the disinfection cycle
- ✓ Certified solution H₂O₂



Protocol for use of the Airande 'dry fog' disinfection device

1. Manual Cleaning
2. Hygien'Air or DF-1 Setup
3. Set the volume and space for the disinfection and start the process
4. Close the room to be disinfected
5. Disinfected room available in one hour



Purification and decontamination of air

- Air pollution and especially indoor air pollution is a problem that has adverse effects on both our health and the environment.



➤ Improving air quality is therefore an objective of Airandé !



What are the risks related to pollution on health?



Air pollution has short, medium and long-term effects:

- Respiratory diseases, neurological, Cardiovascular diseases, Infertility, Cancer, Morbidity
- The most sensitive populations are children, the elderly, smokers, and people suffering from chronic or immunocompromised diseases
- The areas most susceptible to contamination are: the respiratory tract, the digestive tract and the dermal route (skin).
- A stale air can lead to headaches, tiredness, irritation of the eyes, nose, throat and skin, dizziness, allergies and asthma

The good indoor air quality at work or school ... has a not insignificant effect on the quality of concentration, the rate of absenteeism and well-being.



What other contaminants are found in the nursery and daycare?

- allergens related to the presence of animals and plants
- natural fungal spores
- yeasts, molds
- bacteria, virus

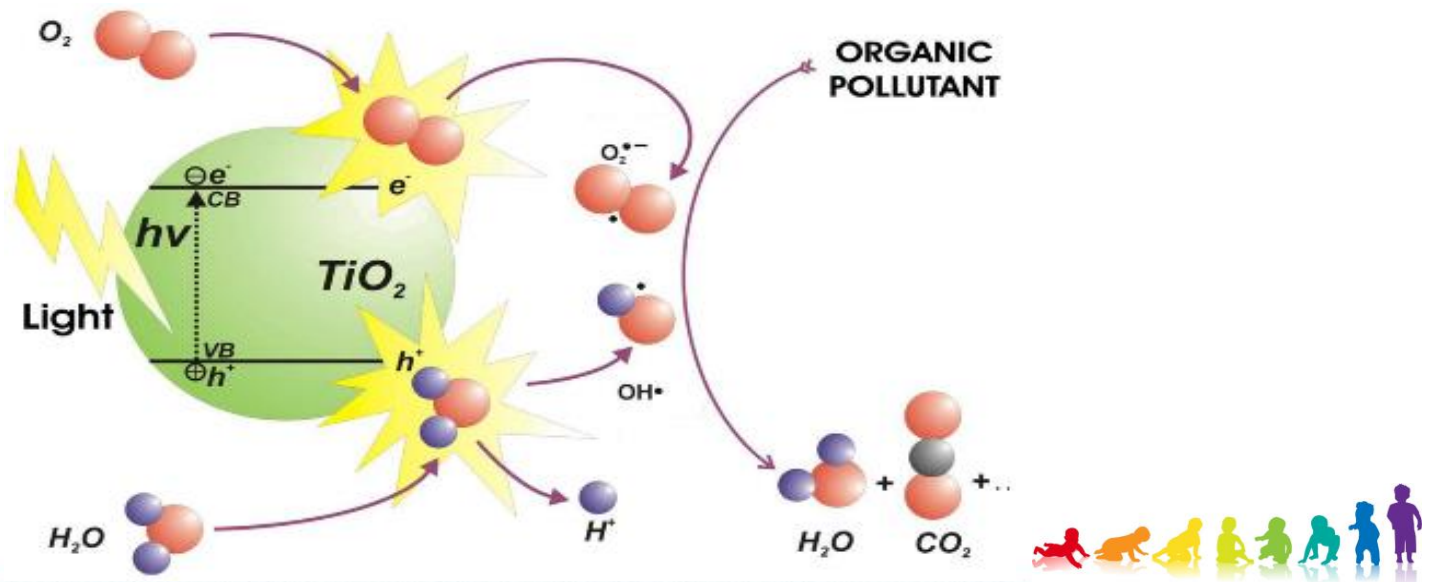


How to deal with these?
ReSPR's NCC Technology
= photocatalysis + patented
processes



Principle of the photocatalysis system

Photocatalysis is a very powerful depollution process that allows total destruction of any organic pollutant and microbiological decontamination !



Benefits of ReSPR's NCC technology



- Destroys chemical and biological pollution (VOC, bacteria, viruses, ...) => reduced risk of respiratory infection
- Quickly destroys odors for example in case of vomiting, diarrhea, change of nappies,
- Energy-saving technology
- Improves the sanitary comfort
- Eco-friendly and environmentally friendly process
- Wide application fields – especially in nurseries and daycare settings
- Reduces the risk of diseases (asthma, SARS, ..)
- Safe to use in the presence of anyone
- Does not require any additional security device





Airandé offers you ecological and efficient disinfection products and can establish protocols of use in collaboration with your nursery school, daycare centre, or pre-school

