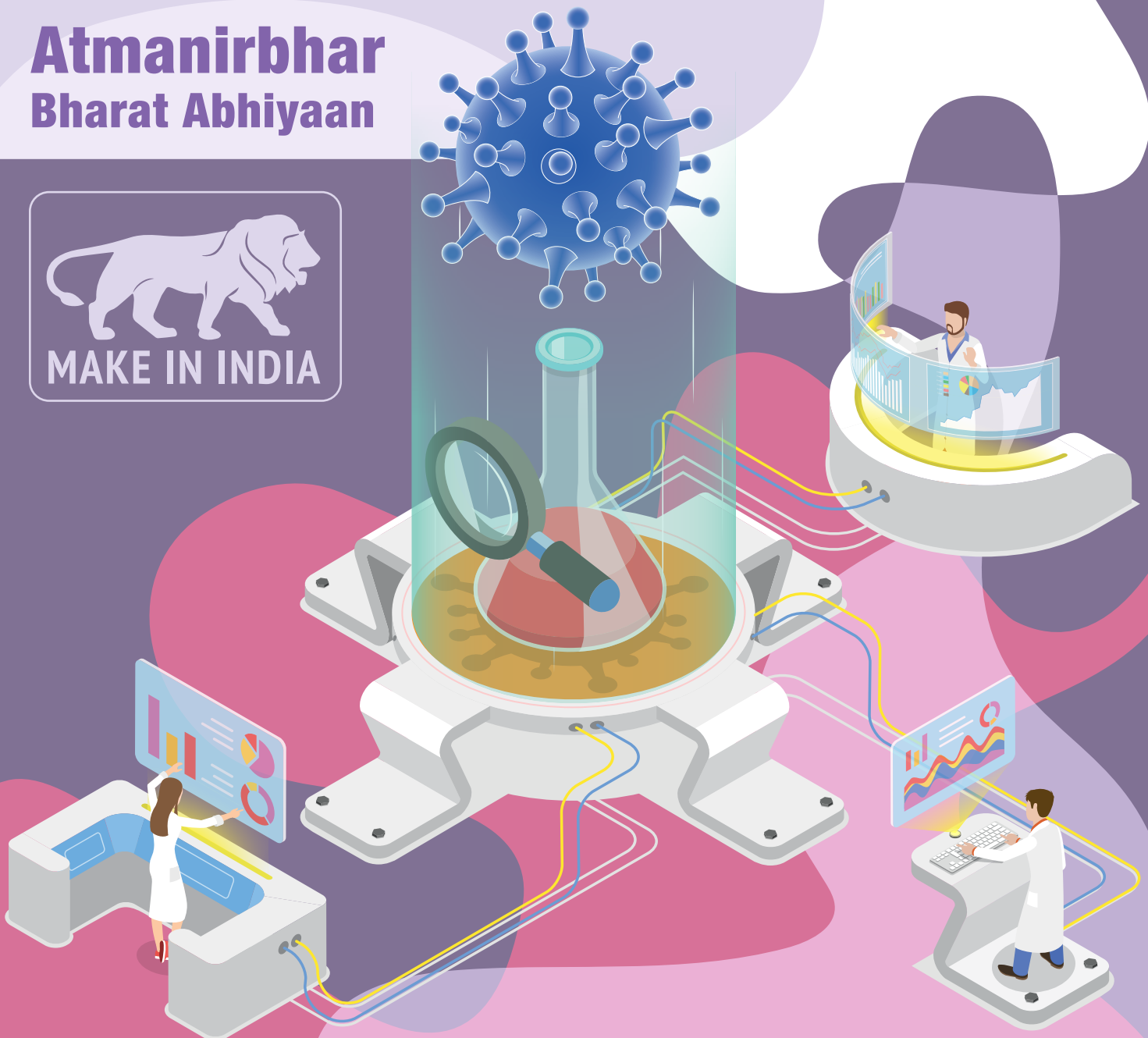


# Application Of CDD 5000/CHLORITAB in Air Fumigation and Surface Sanitization for Bacterial, Pathogen & Virus Decontamination

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**Chlorine Dioxide ( $\text{ClO}_2$ )** is a synthetic, green-yellowish gas with a chlorine-like, irritating odour. Chlorine dioxide is very different from elementary chlorine, both in its chemical structure as in its behavior. Chlorine dioxide is a small, volatile and very strong molecule. In diluted, watery solutions chlorine dioxide is a free radical.

## **CHLORITAB/CDD 5000**

**( Chlorine Dioxide - CAS No 10049-04-4 )**

is an approved and allowed substance for human and animal consumption according to



**Reference :** In India  $\text{ClO}_2$  has been used since 2005 in drinking water, waste water and various air and water disinfection and sanitation application. Currently in over 11 states the product is used for water, air, surface and equipment sanitation.

# ClO<sub>2</sub> for COVID-19

ClO<sub>2</sub> has been widely used and recommended for the COVID-19 decontamination globally.

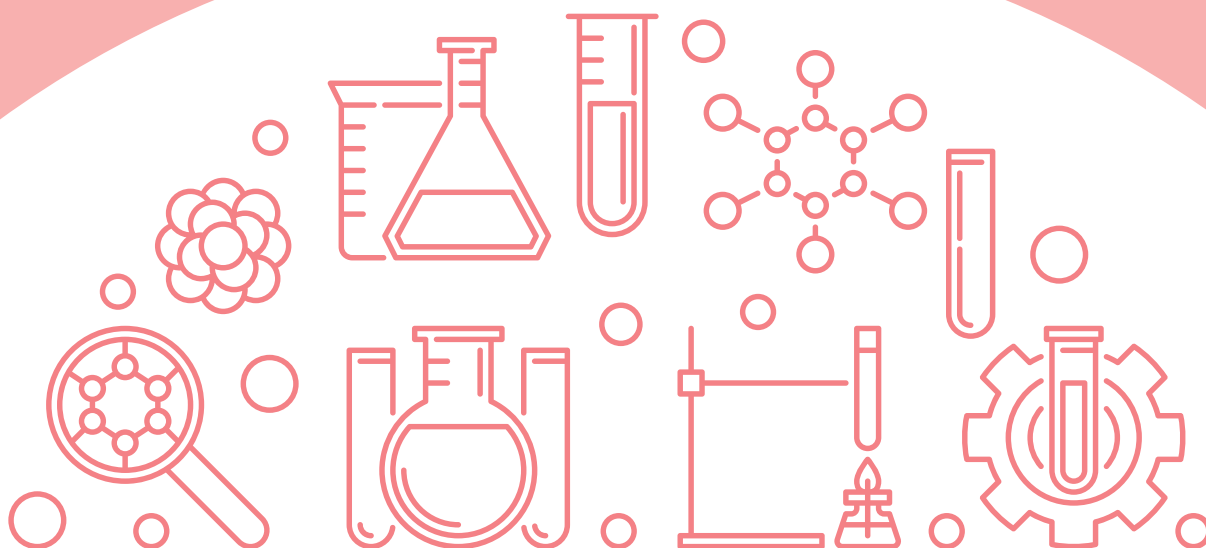
## Global References & Recommendations :

- **Beijing Capital International Airport Recommendation** – ► Surface Sanitation
- **Chinese Pharmaceutical Association** – Expert consensus on Guidance and Prevention strategies – ► Air Fumigation ► Surface sanitation
- **US-EPA – United State Environment Protection Agency**
- **China National Health Commission**

## Domestic References & Recommendations :

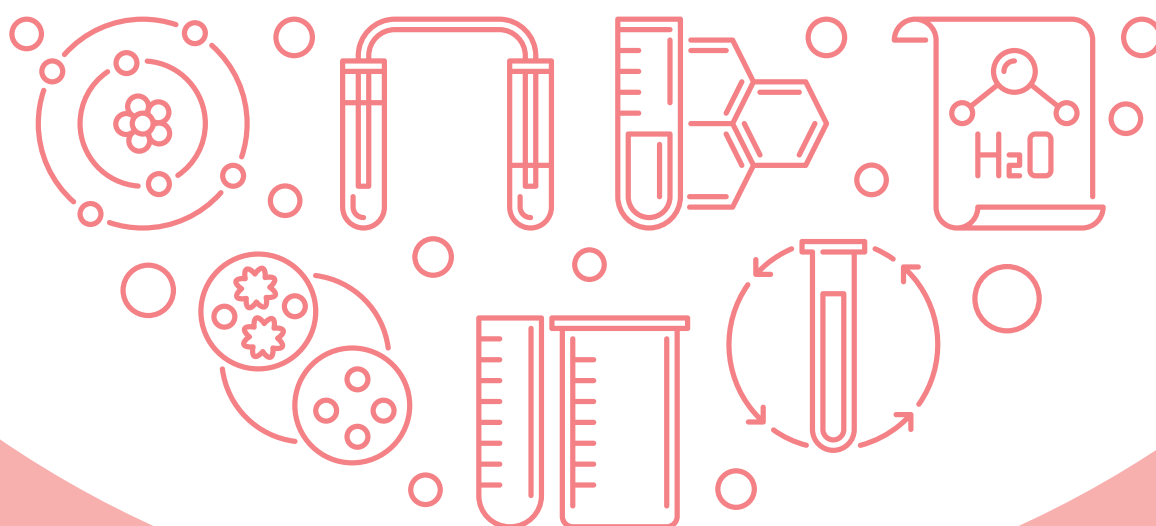
- **Gujarat State Dental Council** – Advisory - 4th May 2020
- **National Institute Of Virology Kerala Unit**
- **ICMR (Indian Council For Medical Research)**





## **BENEFITS OF USING $\text{ClO}_2$ MOLECULE**

**Effective in both liquid and gas phases. Easy to use and generate, so you can dramatically reduce your service time. Completely decontaminate the surface, strip and removes biomass on surface remains cleaner longer & recontamination is reduced. Reduces service time.**





# Proposed Applications With CHLORITAB

## Surface Sanitation :

- ▶ **1g – CHLORITAB** – can produce 500 ml liquid of disinfectant.  
This is effectively used for wiping, spraying.

## Mopping and Floor Cleaning :

- ▶ **10 g – CHLORITAB** – can produce 10 litre of disinfectant.  
This is effectively used for mopping, internal and external hard floor surface.

## Closed Room Fumigation in Absence of Human Presence :

- ▶ **20 g – CHLORITAB** – take 500 ml of plastic bowl and add 1 tablet of 20 g,  
Keep it overnight. Small Aerator can be used for faster release.



# Proposed Applications With CDD 5000

## Spraying Open Area, Parking, Roads :

- ▶ 1 KG of CDD 5000 can produce 1500 litre of liquid disinfectant.



## Precautions :

Should be applied after wearing protective gloves, Masks, and Eye Protection. Do not spill not cotton or clothes, as higher concentration can cause cloth decolorization. Its no allergic to skin, but should avoid inhalation, in absence of NIOSH approved mask – use a ordinary mark with nose covered and wrap a wet cloth on top of the same

Note – For Detailed Instruction kindly refer to the technical bulletin.





# Dilution Ratios and Applications



Areas of Application	Method	Ratio	Machine / Device
Metal, Wood, Glass & Common Areas	Spraying	1g / 10ltr	Battery Operated Sprayer / Hand Sprayer / Mist Blower
	Air Fumigation	1g / 1ltr	ULV Fogger / Fogging Machine
	Closed Room Fumigation – In Bowl	5g / 100sq.ft.	Drop Chloritab Tablet in Fumigation – In Bowl and Leave Bowl in room for 2-4 Hrs
Fabrics, Sofas & Cloth	Spraying	Cannot be sprayed directly	
	Air Fumigation	1g / 1ltr	ULV Fogger / Fogging Machine
	Closed Room Fumigation – In Bowl	5g / 100sq.ft.	Drop Chloritab Tablet in Fumigation – In Bowl and Leave Bowl in room for 2-4 Hrs
Water Tanks	Drop Tablet in Tank	1g / 100ltr	Drop Chloritab Tablet in Main Water Tank
Operation Theatres and Sensitive Areas	Closed Room Fumigation – In Bowl	20g / 100sq.ft.	Drop Chloritab Tablet in Bowl and Leave in room for 2-4 Hrs
Floor	Mopping/ Spraying	1g / 1ltr	Mop / Water Sprayer / Hand Gun / Mist Blower
Fruits & Vegetables	Spraying	1g / 5ltr	Battery Operated Sprayer / Hand Spray / Mist Blower
Sterilization of Surgical Equipment, Tools and Salon Items	Soaking for 15 minutes	1g / 250ml	Soak in a Bowl and then wash with water
Human Disinfection in Tunnels	Mist from tunnel	1g / 10Ltr	Tunnel
Cars, Buses, Transport Vehicles & Containers	Spraying	1g / 10Ltr	Battery Operated Sprayer / Hand Spray / Mist Blower
	Air Fumigation	1g / 1ltr	ULV Fogger / Fogging Machine
Streets and Open Areas	Spraying	1g / 10ltr	Jetting Machine/ Mist Blower/ Battery Operated Sprayer
	Air Fumigation	1g / 1ltr	ULV Fogger / Fogging Machine