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HYGEN 275

HYGEN 275 which contains **Chlorine dioxide** (ClO₂) is a reddish to yellowish-green gas at room temperature that dissolves in water. It is very strong disinfectant that can kill bacteria fungi, their spores and viruses. Owing to its effectiveness and broad spectrum it is regarded as a sterilant.

- Chlorine Dioxide is world's best known virucidal disinfectant. It is effective against viruses at concentrations as low as 0.05ppm.
- It is well-known for killing respiratory viruses like Spanish flu Virus H1N1, avian influenza H5N1, swine influenza and CORONA Viruses.
- For preventing spreading of respiratory virus, one effective measure is eliminating and/or deactivating the respiratory virus floating in the room (in the air). This can be achieved through fumigation or spray.
- Chlorine dioxide gas has strong oxidative power and sterilizing power as well as strong virus deactivating power. For this reason, by exposing the respiratory virus to chlorine dioxide gas, the respiratory virus can be deactivated.
- It is thousands time more effective than hydrogen peroxide and 10 times more effective than chlorine with much lower side effects.
- This gas can be produced at *situ* and used as fumigating agent. Fumigation can disinfect the air as well as surfaces of a room.
- For disinfection, an aqueous solutions having high concentrations (100- 1000 ppm) are sprayed. The residual byproduct concentration of Chlorine is very low and there are no risks for human health
- It is also used for the disinfection of drinking water.

RL HUMMATE is probably the only company in Pakistan with the capacity to produce this fumigation spray for our cities. We have the capacity to produce 500,000 litres / month which is sufficient to disinfect some major cities. A plan can be worked to disinfect the worst affected cities at first.

As our national responsibility RL HUMMATE has donated 10,000 litres to Govt of Punjab and 5,000 litres to City of Bahawalpur. We are ready to provide this product to Governemnt of Pakistan at a special price.

References

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