

PureChlor System, Service, Reagents & BOOM

What is Chlorine Dioxide (ClO₂)?

- A powerful biocide
- Consists of I atom of Chlorine, 2 of Oxygen
 - ls a yellow / green gas at R.T.P.





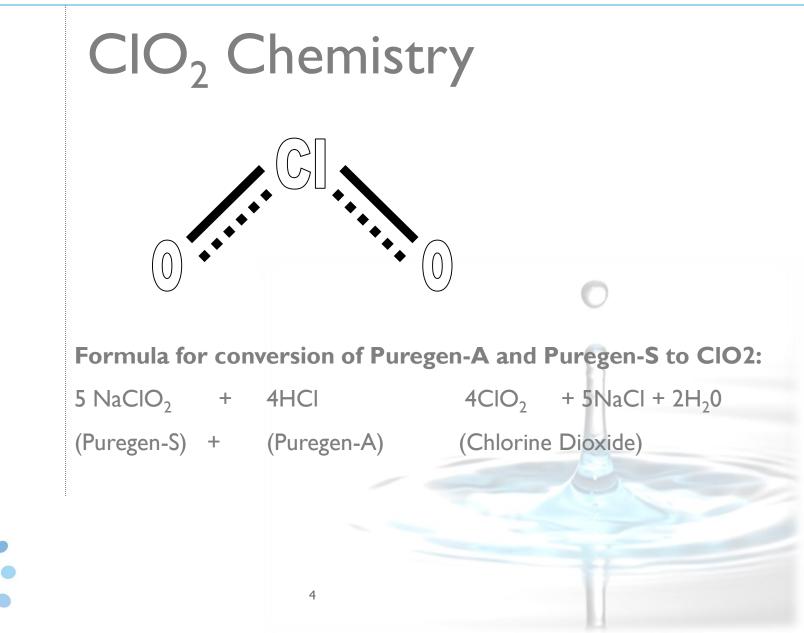
Chlorine Dioxide

Why use CIO_2 ?

- 3 x more powerful than Chlorine
- Is more efficient than Chlorine.
- Is more environmentally friendly than Chlorine.
- Does not form Chlorinated organics.
- Active over a broad spectrum of micro-organisms.
- Active at a wide range of pH levels pH 4-11



Chlorine Dioxide



Chlorine Dioxide

How does Chlorine Dioxide (ClO₂) Work?

- Oxidation reaction- 'Shot Gun!'
- Attacks cell wall material
- Does not poison, it destroys microbial cells
- Unstable and usage at low ppm



Industry approvals for the use of PURECHLOR chlorine dioxide treatment:

- Soil Association approval for use for organic drink packaging sanitisation.
- Brewing, Food & Beverage institute (BFBi) approval for packaging sanitisation, product dilution water disinfection, mobile & fixed tank CIP.
- Environmental Protection Agency (EPA) bactericidal and fungicidal approval for hard non-porous surfaces in hospitals, laboratories and medical environments.
- EPA approval for a terminal sanitising rinse for food contact surfaces in food processing plants, and in restaurants, dairies, bottling plants and breweries.
- EPA approval for disinfectant of environmental surfaces such as floor, walls and ceilings in processing plants, such as bottling plants and breweries.
 - Drinking Water Inspectorate (DWI) approval for disinfection and sanitisation of domestic water supplies.



System Overview





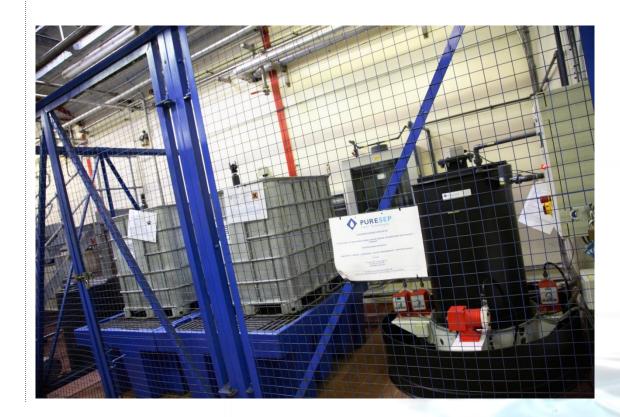
Chemical Supply





- Manufacture & Distribution
- Puregen A
- Puregen S
- Ready made Chlorine dioxide
- Pack size 300ml, 25L , 205L, 1000L
- MSDS
- Supply / Stock / Transfer Management

PureChlor Range – Multiple POU





PureChlor Range – 1 X POU





PureChlor – Bespoke Water Recovery





PureChlor Range - Compact





Confidential

Process Validation / Monitoring



- Specific Chlorine Dioxide (ClO₂) probe
- Sample water filter- oxidised material
- Flow cell & regulator- 1 bar max
- Digital display





Discussion / Questions

- Reagent supply contracts for our systems & competitors
- Competition-Tristel, Prominent, Clearwater, Alldos & others
- H & S client views 'hands off'
- Price pointers: Systems & Reagents
- Add ons- Carbon filters, Legionella Testing Services & Test kits.



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Gas Generation Oxygen & Nitrogen

