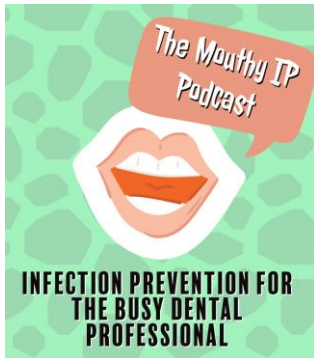




Infection Control Assessment
and Promotion Program

Contact Nebraska ICAP at
nebraskaicap@nebraskamed.com or at
402.552.2881



THE MOUTHY IP PODCAST

EPISODE 11:

GLUTARALDEHYDE USE

***ALL INFORMATION IS
ACCURATE AS OF THE
DATE THIS EPISODE
WAS RECORDED**

Summary:

The ICAP team got an email asking about Glutaraldehyde use.

Key Takeaways:

1. Glutaraldehyde is a toxic chemical that is meant to kill living organisms. This is why it is so effective as a high-level disinfectant.
2. Ortho-phthalaldehyde are a safer alternative to Glutaraldehyde and can be purchased from a dental supplier.
3. If Glutaraldehyde must be used in the office, safety protocols must be in place to protect employees. These include appropriate PPE (N95 respirators), air quality monitoring, proper ventilation and education and training for your employees.
4. It is critical to follow the manufacturer's instructions for use when using hazardous chemicals to ensure effectiveness and safety to employees and patients.

Resource List:

1. CDC Resources:
 - a. CDC overview of Glutaraldehyde:
<https://www.cdc.gov/niosh/topics/glutaraldehyde/default.html>
 - b. Study on Toxicity of Glutaraldehyde Products:
<https://www.cdc.gov/niosh/docs/91-112/>
2. OSHA Resources
 - a. Safe Use of Glutaraldehyde in Healthcare Settings:
<https://www.osha.gov/sites/default/files/publications/glutaraldehyde.pdf>
3. Ortho-phthalaldehyde: A possible alternative to glutaraldehyde for high level disinfection:
<https://sfamjournals.onlinelibrary.wiley.com/doi/full/10.1046/j.1365-2672.1999.00791.x>
4. Hazardous Substance Fact Sheet:
<https://nj.gov/health/eoh/rtkweb/documents/fs/0960.pdf>
5. PubChem Compound Summary: Glutaraldehyde:
<https://pubchem.ncbi.nlm.nih.gov/compound/Glutaraldehyde>