



The Truth About Phenolics

Subject to regulatory scrutiny, the hazards of Phenolics can be seen across several key attributes.



REGULATORY SCRUTINY

Phenolics encompass a range of substituted hydroxybenzene active ingredients. Certain Phenolics have been banned in Europe and are under investigation by U.S. EPA.



HUMAN HEALTH HAZARDS

Phenolics are hazardous materials with level 3 hazard ratings according to NFPA. In addition, they are Category 1 for skin corrosion and eye damage according to OSHA regulations and have a “Danger” signal word per the US EPA.



CORROSION

Phenolic disinfectants are grouped into low-pH acidic or high-pH alkaline categories. The nature of these products leads to low surface compatibility and significant corrosion of metal surfaces.



ODOR AND VOCs

Phenolics are designated as respiratory irritants. Formulas also contain VOC additives and may be flammable. Therefore, additional PPE, including respiratory ventilators, may be needed.



SHELF LIFE / MIXING

Phenolics may be sold as concentrates which need to be diluted before use. This could pose compliance errors if done incorrectly. Diluted solutions may have short shelf life once mixed.



RESIDUE

Levels of ingredients needed to achieve efficacy lead to residue build up on surfaces. Furthermore, residue may be harmful to the operator.



ENVIRONMENTAL HAZARDS

Phenolics are recognized as very toxic to aquatic life, with long-lasting effects. Avoid release into the environment.

When you're looking to replace your phenolics, Berkshire offers safer, powerful, and effective solutions.



Berkshire VersaHOCl™



Berkshire VersaQuat™



Berkshire EZ Bleach™

No Regulatory Concerns	No Regulatory Concerns	No Regulatory Concerns
Non-Hazardous	Low Health Hazards	Low Health Hazards
No Signal Word	“Caution” Signal Word	Non-Corrosive
Non-Corrosive	Non-Corrosive	Very Low Odor, No VOCs
Low Odor, No VOCs	No Odor, No VOCs	Three-Year Shelf-Life
No Mixing Required	No Mixing Required	Low Residue
Ultra-Low Residue	Two-Year Shelf-Life	
No Environmental Hazards	No Environmental Hazards	

Need help picking the right Berkshire disinfectant for your needs?

- Critical environment or sensitive surface use? Look at **VersaHOCl™**.
- Need broad-spectrum disinfection at a reasonable cost? **VersaQuat™** is a cost-effective solution.
- Want a Ready to Use, No-Mix Solution? Check out **VersaHOCl** or **VersaQuat™**
- Want enhanced cleaning and disinfection in one step? **VersaQuat™** provides enhanced cleaning/ disinfection in one application saving time & money.
- Need for large area disinfection/bulk application? Try **EZ Bleach™**.

Have additional questions? [Connect with our Berkshire consultants today!](#)