

A safety profile like no other

The following is a side-by-side summary of the safety profile of commonly used disinfectant chemistries in lab animal research facilities.

DISINFECTANT	Peroxigard: Accelerated Hydrogen Peroxide	Chlorine Oxides	Sodium Hypochlorite	Quaternary Ammonium Compounds	Potassium Peroxymonosulfate	Hydrogen Peroxide
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SAFETY (Undiluted Concentrates)

Eye Irritation - Concentrates	Causes mild eye irritation	May cause serious eye damage	May cause serious eye damage	May cause serious eye damage	May cause serious eye damage	May cause serious eye damage
Skin Irritation - Concentrates	Causes mild skin irritation	May cause severe skin burns	May cause severe skin burns	May cause severe skin burns	May cause skin irritation	May cause severe skin burns
PPE Requirements	Gloves required	Gloves and goggles required	Gloves and goggles required	Gloves and goggles required	Gloves and goggles required	Gloves and goggles required

SAFETY (Ready-to-Use, Diluted Concentrate Solutions and Wipes)

Eye Irritation - In-Use Solutions	Non-irritating	May cause serious eye irritation	May cause eye irritation	May cause eye irritation	Not available	May cause moderate eye irritation
Skin Irritation - In-Use Solutions	Non-irritating	May cause skin irritation	Most are non-irritating	Most are non-irritating	Not available	Non-irritating
PPE Requirements	None	Gloves and goggles required	Gloves required with higher concentrations	Goggles and gloves required	Goggles and gloves required	Goggles and gloves may be required

OTHER SAFETY FACTORS

Occupational Health Concerns	None	May cause fire or explosion Strong oxidizer	Associated with occupational asthma	Associated with occupational asthma	Concentrate may cause respiratory irritation	High concentrations are strong oxidizers and may cause irritation
Environmental Profile	Biodegradable	Very toxic to aquatic life	May react with chemicals in wastewater	Toxic to aquatic life	May react with chemicals in wastewater	Some are toxic to aquatic life
Material Compatibility	Compatible with a wide range of commonly used materials	Higher concentrations are corrosive	Higher concentrations are corrosive	May leave sticky residues behind on surfaces	Surface damage possible with prolonged exposure	Higher concentrations may be corrosive