

APPENDIX NN. CLEANERS, SANITIZERS, AND DISINFECTANTS

Clean; then, sanitize **or** disinfect.

		Cleaners	Sanitizers		Disinfectants	
In general	Effective against	<ul style="list-style-type: none"> • Dirt • Debris 	<ul style="list-style-type: none"> • Bacteria 		<ul style="list-style-type: none"> • Bacteria • Fungi • Certain viruses 	
	Surfaces	<ul style="list-style-type: none"> • All 	<ul style="list-style-type: none"> • Food-contact items or surfaces* • Mouth-contact items or surfaces* for example, play equipment 		<ul style="list-style-type: none"> • Diaper changing areas • Restrooms • Tables and countertops • Door and cabinet handles • not Mouth- or food-contact items or surfaces 	
	Time required for effectiveness		30 seconds to 5 minutes		10 minutes or less	
Choose one	Household chlorine bleach (without EPA** registration number)	Sanitizer		Disinfectant		
		Bleach	Cool water	Bleach	Cool water	
		1 tablespoon (1/2 ounce)	1 gallon	1/4 cup (2 ounces)	1 gallon	
		2 teaspoons (1/4 ounce)	1/2 gallon	1/8 cup (1 ounce)	1/2 gallon	
	1 teaspoon (1/8 ounce)	1 quart	1 tablespoon (1/2 ounce)	1 quart		
Sanitizer or disinfectant (with EPA** registration number)		<ul style="list-style-type: none"> • Read label to determine: <ul style="list-style-type: none"> ○ whether the product is a sanitizer or disinfectant ○ how the product can be used (for example, non-porous surfaces) ○ the length of time the object needs to remain wet with product ○ whether diluting is needed ○ whether rinsing is needed • Follow, "Directions for use," on the label 				

*Not all sanitizers may be used on mouth- or food-contact items or surfaces. Read labels.

**Environmental Protection Agency

Bleach Guidelines

- **Spray**
 - Mix fresh solution daily in opaque bottle
 - Use heavy spray and completely wet object
- **Submerge**
 - General
 - Mix fresh solution when visibly dirty or when concentrations drop below the required level
 - Food-contact items
 - Submerge dishes and utensils for at least one minute
 - Mix fresh solution with each dishwashing and when concentration falls below 150 parts per million (ppm)
- **Dry - remain wet**
 - Let object remain wet for at least two minutes or air dry