



Preparing for Direct Sales: Disinfectants and Sanitizing

Recommended concentrations to disinfect **NON-FOOD** contact surfaces for COVID-19:

Disinfectant	Recommended Concentration	Volume to prepare 1 gallon
Chlorine (assuming 5.25% sodium hypochlorite in chlorine bleach)	800 ppm (parts per million)	1/3 cup
Alcohol (using 95% ethyl alcohol)	70%	3 quarts



- Recommended preparation is based on the most common concentration available.
- Base your calculation on your disinfectant concentration.
- Always follow manufacturer's recommendations on the label for concentrations and contact times.
- A more concentrated disinfectant does not necessarily result in more effective elimination of pathogens.

How to safely use alcohol to disinfect:

- A 70% alcohol solution can be safely used as disinfectant if spraying surfaces at close range.
- Do not mix alcohol with other disinfectants, such as bleach.
- Do not use alcohol solution near an open flame.
- Do not spray into the air, especially in a less ventilated area.

How to make a disinfectant solution:

STEP 1: Measure disinfectant solution and place in a bucket. If using a 1 gallon bucket, add the amount listed in the table above for "Volume to prepare 1 gallon." If using a 5 gallon bucket, use 5 times the 1 gallon amount.

STEP 2: Fill the rest of the bucket to the top with water.



The American Chemistry Council's Center for Biocide Chemistries has created a list of pre-approved U.S. Environmental Protection Agency (EPA) for use against the 2019 novel coronavirus (COVID-19). This product list is not exhaustive, but it is a guide for business owners, health professionals, and the public to identify products for use during the COVID-19 outbreak. You can access the full list by visiting the American Chemistry Council website (americanchemistry.com).



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