### Recommended concentrations to disinfect

**NON-FOOD** contact surfaces for COVID-19:

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

**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](http://www.amERICANchemistry.com)).

Information adapted and modified from Louisiana Fisheries Forward/Louisiana Sea Grant’s “Fishing Fishing Safety & Information During Public Health Emergency.”

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