

10% SDS recipe

The recipe below is used to prepare a 100 mL 10% SDS stock solution.

Reagent	Weight / Volume	Final concentration
SDS	10 grams	10%
Distilled H ₂ O	Up to 100 mL	

How to make 10% SDS stock solution

1. Weigh out 10 g SDS and add to a 100 mL Duran bottle.

Be careful when weighing out the SDS. It is a fine powder and should be weighed under a fume hood to avoid inhalation. You can also use a fume mask as well.

2. Measure out 80 mL of distilled water and add to the Duran bottle.
3. Add a magnetic flea and place on a magnetic stirring plate to mix the solution.

Don't mix too fast as the solution will bubble too much. To dissolve SDS quicker, you can gently heat up the solution (60°C) using a hot plate or water bath.

4. Once the power has fully dissolved, top up the solution to 100 mL using distilled water.

Do not autoclave.

5. An optional step is to filter the solution to remove any particles that have failed to dissolve.