

CHAPTER 3: PURIFYING WATER



If you are going to purify water for drinking, the steps are simple and easy to remember. First of all, you need to determine how dirty the water is so that you know how many drops of Sodium Chlorite to use. Dirtier water means more drops needed to purify. Secondly, you should understand that you don't need to purify water that is just going to be stored. Whether in 2-liter bottles or 55-gallon drums, the water usually stores just fine if it is in a closed container that is out of sunlight.

Below is a table that I made to show about how much CD would be needed to purify the quantity of water.

It Depends on the Level of Water Cleanliness	Number of ClO₂ Drops Per Gallon	Drops per 3.7 Liters
Rainwater or Stored Potable Water	1	1 drop - 3.7L
Clean River or River Water	3	3 drops - 3.7L
Questionable River Water	8	8 drops - 3.7L
Murky Gross Water	12	12 drops - 3.7L

Once you have determined how dirty the water is, you can filter it through a clean cloth. Then, do a normal mix of Chlorine Dioxide in a dry cup, add an ounce or more of water to the MMS to dilute. Finally pour the mix into the container with the water that you want to purify. I have put the instructions in a step-by- step list below as well as a demonstration video at the bottom of this section.

- Step 1: Run the water through a cloth to filter any larger solids out (if needed)
- Step 2: Activate Sodium Chlorite drops and wait 20-30 seconds
- Step 3: Add an ounce or more of water to slow down the activation
- Step 4: Add the liquid into the container of water to be purified
- Step 5: Mix, the purified water as best as you can for 5 - 30 seconds
- Step 6: Wait about 30 minutes or more before drinking it

Video demonstration on Purifying Water with ClO₂:

<https://www.brighteon.com/4a06e301-5990-49c7-a2b7-f84f3bad78e6>

Larger Water Tanks

If you are planning on using large amounts of water to drink, you may want to consider using a syringe with a milliliters scale so that you can mix large and accurate amounts of purifier. Below is a table that helps to translate the drops amount into mls (or cc's, which is cubic centimeters; the exact same thing as mls). It also just happens that about 100 drops is the same as a teaspoon of liquid.

Drops to Milliliter Conversion (Just a reference)

Drops		mls on a Syringe	Teaspoons
20	=	1	
40	=	2	
60	=	3	
80	=	4	
100	=	5	= 1

The nice thing about using Chlorine Dioxide to purify water is that there is no aftertaste that you might find with other purification methods or filters. When the chlorine and oxygen atoms separate, the water is left with no residue. It also acts as a scent and flavor eliminator in air and liquids. This means that it neutralizes foul taste once the chlorine dioxide molecules have done their work. Just make sure that you let the liquid sit for 30 minutes after adding the ClO₂ purifier.