

No-Chlor™



Dechlorination Grade

Ascorbic acid



Ascorbic acid

Product name: No-Chlor™
Chemical Formula: C₆H₈O₆
Formula Weight: 176.13
Chemical Family: Organic acid

Components:
Ascorbic acid: CAS # 00050-81-7

Physical Data:
Specific gravity: 1.65 water = 1
Solubility: 33g/100 ml water @ 25° C
Melting point: 192° C
Acidity (pH): 2.2 - 2.5
Assay: 99.0 - 100.5%
Characteristics: Crystalline powder/granular
Organic volatile impurities: Meets USP 24

Product Codes:
AA-25.0 - 25Kg box

Why Dechlorinate?

The EPA is mandating that the discharge of chlorinated water to the environment be eliminated. This is to protect aquatic life and other animals. Utilities, contractors, fire departments, and all others that must discharge chlorinated water into the environment must remove the chlorine to allowable discharge levels. All states have adopted discharge requirements with some states enacting requirements that go beyond the EPA requirements.

To insure the proper supply of ascorbic acid for dechlorination, Measurement Technologies has developed No-Chlor™ ascorbic acid dechlorination grade. When using the H₂O Neutralizer® with No-Chlor™ ascorbic acid dechlorination grade, Measurement Technologies will guarantee the neutralization of chlorine or chloramine water to EPA discharge requirements with residual levels as high as 300+ ppm. The H₂O Neutralizer® can be used with other dechlorination chemicals, however the user should be aware of the negative side effects that sulfur-based chemicals can have on the environment. Unlike ascorbic acid which reacts immediately to neutralize chlorine or chloramine water, sulfur-based chemicals require contact and reaction time. And if your system is protected with chloramine water the reaction time is even longer. When flushing water there is no reaction time or contact time.

Protective Equipment

Ventilation: Use adequate general or local exhaust.

Respiratory Protection: None needed unless use generates annoying or irritating dust, mist or vapors. Use a dust/mist respirator mask if necessary.

Skin & Eye Protection: Safety glasses. Use good chemical handling practices.



Manufactured in the China

NET WEIGHT: 55.12 Lbs. / 25.0 Kg
Shipping weight: 58 Lbs. / 26.4 Kg

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Feed Solution Tables

Feed solution formulas are based upon using the 3M H₂O Neutralizer® with No-Chlor™ DeChlorination Grade Ascorbic acid. Measurement Technologies, Inc. will only guarantee the neutralizing of up to 300 ppm chlorine, when using No-Chlor™ DeChlorination Grade Ascorbic acid and following the procedures set below with the H₂O Neutralizer®.

No-Brainer Method:

- Potable drinking water, up to 2 ppm of chlorine or chloramines:
 $\frac{1}{2}$ cup (3 cups for 5M H₂O Neutralizer®) No-Chlor™ into every 5 gallons of make up water.
- Super chlorinated water:
 1 cup No-Chlor™ for every 10 ppm of chlorine into every 5 gallons of make up water.
 5M H₂O Neutralizer® should not be used to dechlorinate *Super Chlorinated Water*.

FEED SOLUTION CHART:

Calculate your feed solution by flow rate vs. chlorine residual level

- Determine the rate of flow of your discharge.
- Determine the chlorine residual level of the water.
- Multiply the flow rate **BY** the ppm of chlorine residual level. Use the chart to determine the proper amount of No-Chlor™ per every five gallons of feed solution.

Feed Solution Chart

Factor	Cups / 5 Gals.	Factor	Cups / 5 Gals.
> - 1100	1/3 cup	16,501 – 19,800	6 cups
1101 - 2200	2/3 cup	19,801 – 23,100	7 cups
2201 - 3300	1 cup	23,101 – 26,400	8 cups
3301 - 6600	2 cups	26,401 – 29,700	9 cups
6601 - 9900	3 cups	29,701 – 33,000	10 cups
9901 - 13,200	4 cups	33,001 – 36,300	11 cups
13,201 - 16,500	5 cups	36,301 – 39,600	12 cups

