



WALLA WALLA ENVIRONMENTAL, INC.

# PH ADJUST™

## and Chemical Sludge Conditioner

**Discover the benefits of our entire family of products for process water treatment:**

- CAT-30
- CAT-34
- CAT-90
- FLOC-600
- FLOC-720
- Stat-125
- pH Adjust and Chemical Sludge Conditioner
- Metal Precipitant
- DE
- Clean-In-Place I Cleaner
- Clean-In-Place II Filter Cleaner
- Biocides
- Cleaners
- Specialty Products

**Description and Use:** W2E pH Adjust and Chemical Sludge Conditioner is a very high quality, white, free-flowing powder that is a special blend of calcium and magnesium hydroxide.

W2E pH Adjust and Chemical Sludge Conditioner is used as a replacement for hydrated lime or magnesium oxide/hydroxide in the neutralization of acid and acid/metal waste water streams and scrubbing of off-gases like SO<sub>2</sub> and HC 1. It will precipitate and remove phosphorous, absorb and remove silica, aid in clarification, stabilize sludge and buffer about pH 11.7.

**Chemical and Physical Data:**

Chemical Analysis (weight %)	Typical
Calcium Hydroxide (Ca(OH) <sub>2</sub> )	57
Expressed as Calcium Oxide (CaO)	43
Magnesium Hydroxide (Mg(OH) <sub>2</sub> )	41
Expressed as Magnesium Oxide (MgO)	29
Silica and Insoluble (SiO <sub>2</sub> )	0.7
Iron & Aluminum Oxides (R <sub>2</sub> O)	0.6
Sulfur Trioxide (SO <sub>3</sub> )	0.7
Loss on Ignition (% Volatiles)	26.6
Particle Size Distribution:	Typical
On 50 mesh sieve (Cum%)	10
On 100 mesh sieve (Cum%) (Wash Test)	50
On 325 mesh sieve (Cum%) (Wash Test)	97.5
Neutralizing Value (CaCO <sub>3</sub> Equiv.)	140
Bulk Density (lb. / ft <sup>3</sup> )	43
Specific Gravity (g/cm <sup>3</sup> )	2.3 - 2.4
Specific Heat (cal/g(C)@ 32°F)	0.273
Maximum Solubility (g/l)@ 50°F	176
Dissociation Temperature (°F)	350-540

**Packaging:** Available in 50 lb. bags - 40/pallet, flexible intermediate bulk containers (FIBC) and bulk pneumatic trucks.

**Storage:** Materials should be stored in DRY conditions. Exposure to moisture may cause caking. Partially opened bags should be resealed.

*Technical data  
continued on next page*

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***pH ADJUST***  
***Technical data,***  
***continued***

***Important:*** Read & follow carefully all directions supplied by Walla Walla Environmental. Walla Walla Environmental warrants that this material is reasonably fit for the purposes stated in our literature when used in accordance with our written and verbal directions. Under no circumstance shall Walla Walla Environmental be liable for incidental, consequential or other damages from alleged negligence, breach of warranty, strict liability or any other theory arising out of the use of handling this product. Neither this warranty nor any other warranty of merchantability or fitness of purpose, either express or implied, extends to the use of this material contrary to our directions, or under conditions not reasonably foreseeable by Walla Walla Environmental.

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