

CITRIC ACID 50% – Safe Non-Toxic / Non-corrosive / Non-Regulated

Applications:

Moderately acidic Post Polish and Post Texture Media Cleaner. A Non-hazardous product to replace solvent and harsh acid based cleaners in the Disk Drive (Media Storage) Industry. **NuGeneration Technologies'** Citric Acid 50% has been formulated with the needs of the electronics and medical device industries in mind. All of our products are manufactured with the highest-grade raw materials using 18 MOhm "certified Electronics grade" DI water then filtered to meet customers' requirements before packaging. Our products are cost effective i.e. formulated for extended bath life, contain no chelates, are safe to use (contain NO Prop 65 or SARA 313 ingredients), biodegradable and are easily disposed⁽¹⁾ of thereby reducing the cost of waste treatment.

NuWet cleaners were formulated to provide improved removal of particulates and organics while providing reduced residues, and fast rinsing. **Citric Acid 50% provides excellent rinsing properties and is therefore an excellent choice for pre-cleaning.** The extremely fast rinsing properties of Citric Acid 50% and ZERO Surfactants and Detergents allow for less water consumption, and shorter rinsing cycle times improving through-put and cost.

Usage:

- 5% in spray application
- 10% in ultrasonic/megasonic applications

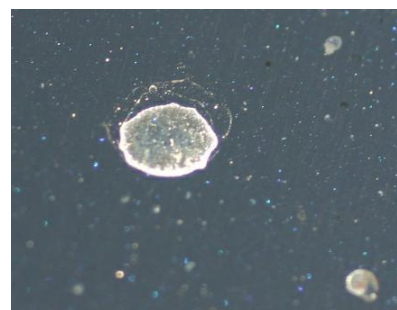
Typical usage parameters:

Citric Acid 50%	
Description	Mild effective cleaner
spray application	5%
ultrasonic/megasonic applications	10%
Operating temperatures	ambient up to 150°F
Foaming Properties	ZERO
Scrubbers	YES
Spray stations	YES
Texture Wipe Cleaning	YES
Aluminum, Plastics, Glass, Ni/Phos	YES
Texture/polish fluid removal	YES
Particle Removal	Excellent
Color	Colorless (No dye)
Odor	None



Physical Properties:

Citric Acid 50%	
pH, concentrate	2.5
pH, @ 5% bv	3.0
Bulk density, #/gal	9.5
VOC (concentrate)	Zero
Flash point	None
Chelates	None
Water solubility	Complete
Biodegradable	Yes
Silicates / HF / HCl / Phosphates	No



Removes Stains and Spots

SPECIAL NOTES: This product does not contain Hazardous Ingredients. Many products on the market make these claim yet still contain Solvents and Harsh Acids like HCl (hydrochloric acid) HF (hydrofluoric acid).

Storage: Keep out of direct sunlight. Keep from freezing. Store between 40-120°F.

Shipping: Non-Hazardous, Non-Regulated Material.

⁽¹⁾ **Disposal:** Dispose of in accordance with local, state, and federal regulations. For assistance with disposal contact NuGeneration Technologies at 888-99-NuGen or e-mail: info@nugentec.com.