



# Technical Data Sheet



## GlobalTech® AquaSonic® Aqueous Cleaner for Solder Paste & Flux Concentrate

### Product Description

GlobalTech AquaSonic Aqueous Cleaner for Solder Paste & Flux (AQP) is more than 90% water based with all ingredients being 100% active. It has been specifically formulated, using a proprietary electro-chemistry technology, to remove solder paste and flux residue in critical cleaning applications. AQP premix available.

**Electro-chemistry Technology:** Works by reversing the normal polarity of a contaminant causing the like charges of the contaminant and the work surface to repel each other, thereby preventing reattachment to the surface. Contaminants are suspended from the substrate and are washed away, leaving a clean, shiny, water break-free surface. It works at a sub-molecular level to penetrate crevices and orifices to dislodge microscopic contaminants. This technology drastically improves the cleaning efficiency by minimizing the amount of rinse water needed.

### Features

**Certified Clean Air Solvent by California's South Coast Air Quality Management District (SCAQMD)...**VOC of .09 it meets the <25g/L VOC specification

Environment friendly...<.1% VOCs, biodegradable (liquid chemistry only) and recyclable (ability to be separated from effluent contaminants)

Free of...hydrocarbons, phosphates, silicates, saponifiers, builder or chelating agents (with little surfactants)

Ion-free...no ionic contamination left behind, excellent cleaner for cleaning electric/electronic equipment and hardware

Material compatibility...synthetic and plastics safe

No hazards...non-flammable, non-combustible, non-corrosive

Worker friendly...non-hazardous, low toxicity and odor free

### Applications

Misprinted circuit boards	Tools, fixtures and surfaces
PCB rework	Workbenches and production equipment
Screens, stencils and squeegees	ESD Flooring

### Method of Use

**Ultrasonics:** Use between 10% and 25% concentrate depending on the application, equipment used and operating temperature. Any type of water can be used to dilute. In critical cleaning applications, use filtered, distilled or DI Water. While effective at ambient temperatures, the effectiveness is greatly enhanced at higher temperatures. At 140°F / 60°C AQP can be 10x more effective than identical concentrations at ambient temperature. Operating temperatures for most applications are between 110-130°F / 43-54°C. Wet solder paste can be cleaned at lower dilutions and temperatures. To prevent foaming: fill system with water; add the desired amount of chemistry; top off with water. An anti-foaming agent may be used for some cleaning processes. Also suitable for: batch cleaning, spray under immersion and immersion cleaning. Using a spray system will cause foam. Do not heat above 140°F / 60°C.

**Manual Cleaning:** Dilution ratio up to 25% concentrate, mixed with DI or filtered water, depending on the application.

### Ingredients

Proprietary Oxygen and Phosphorous Containing Compound, DI Water

### Physical & Chemical Properties

Appearance	Dark Amber Liquid
Boiling Point (approx)	>200°F / >93°C
Evaporation Rate (BuAc=1)	<0.1
Flash Point	>300°F / >149°C
Melting/Freezing Point	NA
Odor	Negligible
pH	~10
Specific Gravity (8.82 lb/gal)	1.06
Solubility In Water (%)	>90
Vapor Density (air=1)	ND
Vapor Pressure (mm Hg)	18
VOC (g/L) ~ SCAQMD Certified	10.785

### Hazard Data

Hazard Ratings

NFPA Health Hazard: 1, Flammability: 0, Instability: 0, Special Hazards: ND

HMIS Health Hazard: 1, Flammability: 0, Instability: 0, Personal Protection: B

### Environmental

Global Warming Potential (GWP) Zero

Hazardous Air Pollutant (HAP) No

Ozone Depleting Chemical (ODP) No

### Waste Disposal

Consult a licensed waste management firm or the appropriate local, state and federal agencies in your area.

### Recycling

AQP can be recycled using Microfiltration or Ultrafiltration systems. Can be used in a closed loop DI Water system; chemistry may need to be replenished.

### Ordering Information

Drums	DR55AQP
Weight	527 lbs
Dimensions	24" x 36"
Gallons (HDPE), 6/cs	GA6AQP
Weight	61 lbs
Dimensions	17" x 13" x 14"

### Storage & Shelf Life

AQP has a 12 month shelf life from date of shipment. Store at room temperature.

### Availability

Products are available through global sales and a nationwide network of distributors.

### Environmental Policy

As a leading manufacturer and supplier of SMT production supplies; JNJ is committed to providing high quality products and services in a manner that does not impact upon, but enhances the environment.