



AviGa (Glycolic Acid)

AviGa signifies a groundbreaking leap in the glycolic acid industry, harnessing the potent capabilities of the smallest alpha-hydroxy acid. Its influence extends across skincare and a diverse spectrum of cleaning and industrial applications, marking a profound advancement in versatility.

AviGa shatters the notion that potency must compromise integrity. With low corrosivity, it maintains its efficacy without corroding surfaces, presenting a harmonious blend of strength and gentleness ready to transform diverse applications.

General Info :

CAS Number	Molecular Formula	Molecular Weight
79-14-1	$C_2H_4O_3$	76.05 gm/mol

Sales Specification :

AviGa-T (Glycolic acid -70% Solution Tech)

Parameter	AviGa-T Standard Specification	AviGa-T Premium Specification
Appearance	clear to light yellow liquid	clear to light yellow liquid
Glycolic Acid	$70.0 \pm 2.0\%$	$70.0 \pm 2.0\%$
Chloride	3.0 %	2.0 %
Formic Acid	nil	nil
Formaldehyde	nil	nil

Sales Specification :

AviGa-HP (Glycolic acid -70% High Purity)

Parameter	AviGa-HP Specification
Appearance	clear to light yellow liquid
Glycolic Acid	70% min.
Fe (Iron)	5 ppm max.
Cu (Copper)	5 ppm max.
Formic Acid	nil
Formaldehyde	nil
Pt-Co scale (Hazen / Apha)	30

Market Applications :

Household and Institutional Cleaners:

AviGa is an ideal component in household and institutional cleaner systems due to its effective dissolution of hard water salts (magnesium, calcium), soap scum, and iron oxide. It exhibits excellent cleaning characteristics with low odor, light color, nonflammability, and high biodegradability. Compatibility with various acids, surfactants, solvents, fragrances, and dyes, along with testing showing improved cleaning performance, make it a preferred choice.

Industrial Cleaners:

Stainless Steel Boiler and Process Cleaning Equipment:*


AviGa, alone or in synergistic mixtures, efficiently removes calcium carbonate and iron oxide mill scale. In high-pressure stainless steel boiler systems, a mixture of 2% glycolic acid and 1% formic acid proves highly effective, minimizing chloride stress corrosion damage and offering biodegradable waste solutions.

Dairy Cleaning:

AviGa's unique properties make it excellent for removing milk stones and deposits in dairy processing equipment. It outperforms phosphoric acid in dissolving hard water scale, ensuring easy removal of waste materials with a final rinse of potable water.

Food Processing Equipment Cleaning:

AviGa is utilized for cleaning meat, poultry, and egg processing equipment, providing these surfaces are rinsed with potable water afterward.



Transportation Cleaning:

Due to low toxicity, AviGa replaces more toxic acids like oxalic in cleaning stainless steel, aluminum, rail cars, trucks, and "Mag" wheels. Its low corrosiveness, good salt solubility, high rinsability, low odor, and ready biodegradability contribute to its attractiveness in these applications.

Masonry:

AviGa, alone or mixed with other acids, is effective for cleaning bricks and concrete, particularly in removing metals causing staining in white bricks during kiln firing.

Paper Maker Felt Cleaning:

AviGa ability to complex aluminum salts and other hard water salts makes it valuable in conditioning papermaker felts without damaging the nylon components.

Water Treatments:

Cooling Tower and Heat Exchanger Cleaning:

AviGa-T effectively removes hard water scale from heat-exchanger equipment. Its low corrosiveness, odor, and negligible volatility make it suitable for pH adjustment in cooling water to prevent scale accumulation.

Water Well Cleaning:

AviGa-T complexes and removes iron and carbonate deposits in water wells, facilitating water flow and effectively treating slime and iron metabolizing bacteria. Its liquid form, low corrosiveness, lack of fumes, and biodegradability ease handling and waste disposal.

Metal Processing:

Metal Pickling:

AviGa-T can replace volatile acids in special pickling operations, reducing losses due to elevated temperatures and ventilation requirements.

Copper Brightening:

Used post-pickling, AviGa-T gives luster to copper and copper alloys, retaining its shine longer compared to strong oxidizing acids. It is also employed in polishes for copper utensils.

Cosmetics

AviGa HP, is employed as an ingredient in anti-aging skin treatments, it can also play a vital role in promoting a healthy scalp. It enhances the softness and shine of hair, actively repairing damaged strands by locking in moisture within the hair follicle.

