

TECHNOLOGY FOR A CHANGING ENVIRONMENT

# DuPont™ Glycolic Acid



*The miracles of science™*

# DuPont™ Glycolic Acid...

## A versatile and effective solution for a broad range of cleaning and industrial applications

Glycolic Acid (hydroxyacetic acid) is the first member of the series of alpha-hydroxy carboxylic acids, which means it is one of the smallest organic molecules with both acid and alcohol functionality. Although Glycolic Acid occurs naturally as a trace component in sugarcane, beets, grapes and fruits, DuPont synthesizes the product through a sustainable manufacturing process in Belle, West Virginia.

DuPont has been the leading supplier of Glycolic Acid to customers and distributors worldwide for more than 50 years.

### A unique combination of properties makes DuPont™ Glycolic Acid ideal for a variety of end uses including:

#### Cleaning applications

- Hard Surfaces (consumer and institutional)
- Masonry Surfaces
- Concrete Cleaners and Removers
- Metal Surfaces
- Industrial Water Systems
- Boiler Systems
- Water Wells
- Dairy and Food Equipment

#### Industrial applications

- Textile Dyeing and Finishing
- Printed Circuit Board Fluxes
- Laundry Sours
- Leather Dyeing and Tanning
- Oil Field Applications
- Petroleum Refining
- Industrial Chemical Manufacturing
- Electropolishing

### Why customers use DuPont™ Glycolic Acid

#### Ideal choice for you, your customers and the environment

- Readily biodegradable (90% in 7 days)
- Low corrosivity

Household Cleaners				
Metal	% Weight Loss using 5 wt% of acid at 23°C*			
	Glycolic	Citric	Sulfamic	urea HCl
1018 Carbon Steel	0.16	0.13	0.30	0.37
1100 Aluminum	0.010	0.005	0.086	10.20
304 Stainless Steel	0.007	0.009	0.011	0.064
CDA360 Brass	0.017	0.021	0.008	0.015

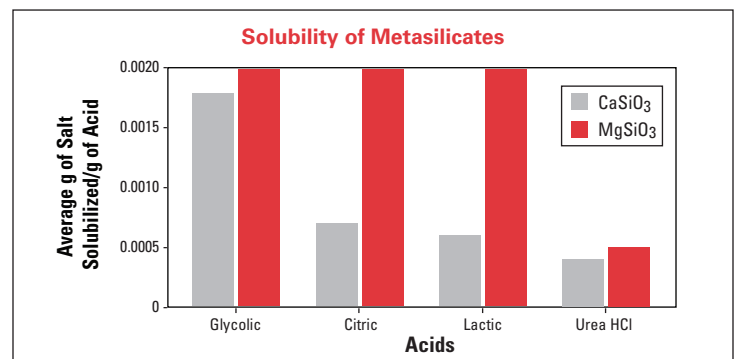
Industrial Cleaners				
Metal	% Weight Loss using 10 wt% of acid at 70°C*			
	Glycolic	Phosphoric	Sulfamic	HCl
1018 Carbon Steel	10.53	15.70	20.26	53.22
110 Copper	0.040	0.087	0.090	0.52
316 Stainless Steel	0.002	0.001	0.055	6.58

\*Based on 48-hour contact time, with no agitation

- VOC-exempt in California
- Negligible odor
- Low toxicity

#### A very effective cleaning and complexing agent

- Broad metal sequestering properties
- Excellent solubility of hard water salts (calcium, magnesium, metasilicates)



- Excellent rinsability; minimal residue
- Excellent formulation compatibility
- Effective pH adjuster

#### Easy to handle and use

- Easy handling liquid
- Readily dilutable at all concentrations
- Non-flammable

# DuPont: Your Source for Quality Glycolic Acid

## Our Products:

- Extremely low salt content, which provides greater application flexibility.
- NSF/ANSI Standard 60 Certified for use in potable water systems.
- USDA approved for use as an acid cleaner in all departments of official establishments operating under the Federal meat, poultry, shell egg grading and egg products inspection program. Providing these food contact surfaces are rinsed with potable water after cleaning.
- DuPont™ Glyclean® AM, containing 68% Glycolic Acid, is EPA registered as a manufacturing use product and is approved for use as an active ingredient in liquid disinfecting formulations on hard, non-porous surfaces.
- A purified form of Glycolic Acid, marketed as Glypure® and Glypure® L, is widely used in cosmetic applications. Industrial grade Glycolic Acid is not acceptable for this category of product.
- Other solid and liquid Glycolic Acid grades available for specialty applications.

## Our People:

- Knowledgeable and committed laboratory and plant staff to address your technical needs.
- Dedicated sales force available to support you, our customer.

## Our Plant:

- World's largest purpose-built facility with ISO 9001:2000 certification to ensure that we will meet your global supply needs.
- Continuous operation ensures consistency and quality of product.

**For further information visit our website at [www.glycolicacid.dupont.com](http://www.glycolicacid.dupont.com)**

**or contact our Customer Service Representatives:**

**1-888-243-4608, North America Customers**

**302-892-7536, International Customers**

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