



# GlyAcid<sup>®</sup>

GLYCOLIC ACID  
FORMALDEHYDE FREE

## 70 HP

### GlyAcid<sup>®</sup> Technology

For more than 40 years, glycolic acid has been predominately produced by either the carbonylation of formaldehyde or with glycolonitrile as a starting material. Both processes leave residual traces of formaldehyde in the finished commercial product.

By contrast, CrossChem's GlyAcid<sup>®</sup> is produced using a proprietary acid saponification and purification process that does not use formaldehyde in the process while delivering a high purity glycolic acid for today's personal care formulations.



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### 70 HP SPECIFICATIONS

| PROPERTY           | LIMITS  | TYPICAL RESULTS |
|--------------------|---------|-----------------|
| Total Acid %       | 70 – 72 | 71.1            |
| Free Acid %        | 63 – 66 | 64.7            |
| Color (APHA)       | 15 Max  | 8.0             |
| Formaldehyde mg/Kg | Report  | ND*             |
| Iron ppm           | 3 Max   | 2.19            |

**Appearance:** Clear liquid

**Stability:** GlyAcid<sup>®</sup> 70 HP is stable when stored under normal conditions. If stored at temperatures below 14C (57F), precipitation may occur. This precipitation does not affect product quality. To re-dissolve, heat product to 40C (104F) with agitation.

\*ND: Not Detected - tests show property not detected. 5ppm detection limit.

### 70 HP PHYSICAL PROPERTIES

| PROPERTY                      | VALUE   |
|-------------------------------|---------|
| Formula                       | C2H4O3  |
| Precipitation Point, C (F)    | 14 (57) |
| Molecular Weight              | 76.05   |
| pH, 25C (77F)                 | 0.4     |
| Density @ 15.6 (60F), lbs/gal | 10.5    |
| g/MI (Mg/m3)                  | 1.27    |

### About GlyAcid<sup>®</sup> 70 HP

GlyAcid<sup>®</sup> 70 HP is a high purity glycolic acid in a 70% aqueous solution. It is a clear, virtually colorless liquid with a mild burnt sugar odor.

### Packaging

- 25 Kg Pail
- 250 Kg Drum
- IBC Tote
- ISO Tank

### Applications

- Skin Care
- Hair Care
- Nail Care

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