

# Product Specification

**PRODUCT NAME:** GLYCOLIC ACID 70% TECHNICAL SOLUTION

**Site:**

**PRODUCT NUMBER:** 4450

**SBU:** DCSE  
**Business:** GLYCOLIC

**Revision:** 2

**Date Issued:** 6/30/2004  
**Date Superseded:** 2/9/2004

**Similar Names:**

Hydroxyacetic Acid  
Hydroxyethanoic Acid

**SALES SPECIFICATIONS**

| <b>Property</b>             | <b>Units</b> | <b>-- LIMITS --</b> |             | <b>Typical Analysis</b> | <b>Test Method</b> |
|-----------------------------|--------------|---------------------|-------------|-------------------------|--------------------|
|                             |              | <b>Min.</b>         | <b>Max.</b> |                         |                    |
| Acid, Total as Glycolic     | (%)          | 70                  | 72          | 70.8                    | H7000.100.01.BE    |
| Formic Acid                 | (%)          |                     | <1          | 0.8                     | H7000.160.01.BE    |
| Sulfates as SO <sub>4</sub> | (ppm)        |                     | 800         | 300-500                 | H7000.200.02.BE    |
| Color, Gardner              |              |                     | 3           | <2                      | H7000.065.01.BE    |
| Turbidity                   | (ntu)        |                     | 6           | <3                      | H7000.523.01.BE    |
| Filterable solids           | null         | Fail                | Pass        | Pass                    | H7000.285.01.BE    |

**APPEARANCE:** A clear, light amber liquid with a mild odor resembling burnt sugar which is visibly free of suspended matter per above analytical methods.

**OTHER INFORMATION:**

**PHYSICAL DESCRIPTION:**

| <b>Property</b>                | <b>Typical Value</b> | <b>Units</b> |
|--------------------------------|----------------------|--------------|
| Molecular Weight               | 76.05                |              |
| pH, 25C (77F)                  | 0.1                  |              |
| Melting Point, C (F)           | 10 (50)              |              |
| Density @ 15.6C (60F), lbs/gal | 10.6                 |              |
| g/mL (Mg/m <sup>3</sup> )      | 1.27                 |              |

**For further information, contact:**

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