

MILES® CITRIC ACID

2-Hydroxypropane-1,2,3-tricarboxylic Acid

Product Data Sheet**PRODUCT DESCRIPTION**

Miles® Citric Acid is a white, odorless crystalline organic acid made by fermentation. It is a widely used acidulant, preservative and pH adjuster in food and beverages, and also serves as a chelating agent and descaler in cleaning products, personal care, and pharmaceutical applications.

It dissolves readily in water. Keep it in a cool, dry place in a closed container, since it absorbs moisture and can clump.

Chemical Name: Citric acid**CAS Number:** 77-92-9**Chemical Formula:** $C_6H_8O_7$ **Molecular Weight:** 192.12 g/mol**TYPICAL APPLICATIONS**

Miles® Citric Acid is suitable for use in applications including:

- Food and beverage acidulant, preservative and pH adjuster
- Cleaning and descaling products
- Chelating agent
- Personal care products
- Pharmaceutical applications

TYPICAL PHYSICAL PROPERTIES

Property	Typical Value
Appearance	White, odorless crystalline powder
Assay (Anhydrous, Food Grade)	99.5–100.5%
Melting Point	153–156°C (307–313°F)
Decomposition	Begins above approx. 175°C
Density	approx. 1.665 g/cm ³ (anhydrous)
Water Solubility	Very high (approx. 73 g/100 mL at 20°C)
pH	approx. 1.7 (100 g/L solution)

The values shown are typical physical properties and are not intended to constitute product specifications.

PRODUCT FEATURES

- Produced by fermentation
- Very high water solubility
- Odorless white crystalline form
- Multi-purpose acid for food, cleaning and personal care uses

STORAGE & HANDLING

Store in tightly closed containers in a cool, dry, well-ventilated area to prevent moisture absorption and clumping.

Causes eye irritation. Consult the applicable Miles® Safety Data Sheet (SDS) before handling, storing, or using this product.

AVAILABLE PACKAGING

- 565-Pound Drums

Packaging availability may vary. Contact Miles Lubricants LLC for current packaging and minimum-order requirements.

IMPORTANT

Miles® Citric Acid is supplied in the grade stated on the Certificate of Analysis. Confirm that the specific product supplied is certified for food, pharmaceutical, cosmetic, or other regulated uses before using it in those applications.

PRODUCT INFORMATION**Miles Lubricants LLC**

Industrial Lubricants, Chemicals & Specialty Fluids

Product: Miles® Citric Acid (565 lb Drum)

CAS No.: 77-92-9

For product availability, technical information, and Safety Data Sheets, contact Miles Lubricants LLC.

DISCLAIMER

The information and typical properties contained in this Product Data Sheet are provided for general informational purposes and are believed to be accurate at the time of publication. Typical values are not specifications or guaranteed properties. Product users are responsible for determining the suitability, compatibility, safety, and regulatory compliance of the product for their particular application. Please consult the applicable Safety Data Sheet before use.