

## Citric Acid

### FACT SHEET

**Description:** Inherently natural as it occurs in citric fruits, produced by fermentation of carbohydrates, CAS# 77-92-9. Fine white powder, odorless. Easily soluble in water. pH Value 2.2 (0.1% solution).

**INCI Name:** Citirc acid.

**Properties:** Acidulant (useful to adjust pH of products to make them more acid / less alkaline), chelating effect (neutralizes minerals to enhance activity of antioxidants & preservatives), buffering effect (helps to maintain pH between 2.5-6.5 & stabilizes active ingredients), at high concentration shows typical AHA properties (moisturizing, peeling, smoothing, anti-wrinkle effects).

**Use:** For safe use do not use at >10% or at pH <3.5. Can be added to formulas as is.

**Applications:** Creams, lotions, shampoos, shower gels, bath bombs/fizzes (combined with sodium bicarbonate).