

## Organics, synthesis and cleaning agents

## 818707 Citric acid anhydrous for synthesis

Formula Hill	$C_6H_8O_7$	
Chemical formula	$(HOOCCH_2)_2C(OH)COOH$	
Molar mass	192.13 g/mol	
Density	1.665 g/cm <sup>3</sup> (18 °C)	
pH value	~ 1.7 (100 g/l 20 °C)	
Form	solid	
Color	colourless	
Odeur	odourless	
Melting point	~ 153 °C	
Boiling point	(decomposition)	
Vapor pressure	< 0.1 hPa (20 °C)	Solubility in water 1330 g/l (20 °C)
Explosion limits	8.0 - 2.29 Vol%	Solubility in ethanol 383 g/l (25 °C)
Flash point		Solubility in chloroform insoluble
Thermal decomposition	175 °C	Water absorption
Heat of evaporation		Saturation conc. (air)
Evaporation number		Dielectric constant
Ignition temperature	345 °C	Dipole moment
Bulk density	~ 560 kg/m <sup>3</sup>	Viscosity dynamical
Refractive index		Viscosity kinematical

