

Triethyl Citrate

※ [Product name]

English name:triethyl citrate;TEC

Byname:citric acid;triethyl ester;1,2,3-propanetricarboxylic acid;2-hydroxy-;triethylester kyseliny citronove;ethyl citrate

※ [CAS NO.] 77-93-0

※ [Molecular formula] C<sub>12</sub>H<sub>20</sub>O<sub>7</sub>

※ [Molecular weight]

276.28(atomic weight with five effective number provided by IUPAC in 1995)

※ [Property]

Colorless transparent liquid—boiling point: 150°C(0.4KPa), flash point(open) 155°C, soluble in most organic solvent, slightly soluble in oils. This product is innocuous plasticizer.

※ [Use]

This product is innocuous plasticizer, widely used in the plasticizer of cellulose resin and vinyl resin, used as leavening agent in food to improve the foaming properties of baking food, as antioxidant to stabilize soybean oil, salad oil, magarine and other edible fat and oil, as flavoring agent used in soft drinks, sugar and baking food, used as chelating agent and carrier solvent. Especially applicable to the industries including printing ink coating, innocuous PVC grain, pharmaceutical industry, soft toys for children, medical products and cosmetics production etc..

※ [Packaging]

200L metal pail, NW: 230Kg per mail.

※ [Technical index]

Appearance	Colorless transparent liquid
Color(Pt-Co)	≤ 50 <sup>#</sup>
Content, %	≥ 99.0
Acidity(mgKOH/g)	≤ 0.2
Water content(wt), %	≤ 0.25
Refractive index(25° C/D)	1.440~1.442
Relative density(25/25° C)	1.135~1.139
Heavy metal((base on Pb)	≤ 10ppm
Arsenic(As)	≤ 3ppm

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