



*Specialized in chemicals*

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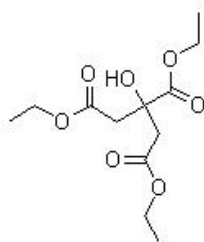
Site: www.tnjchem.com

## Technical Data Sheet

### Triethyl Citrate

#### Product Information

Chemical Name	Triethyl Citrate
CAS #	77-93-0
Formula	C <sub>12</sub> H <sub>20</sub> O <sub>7</sub>
Molecular Weight	276.283
Synonyms	Triethylcitrate; TEC
Chemical Structure	



#### Description

Triethyl Citrate CAS 77-93-0, it is a 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.

#### Physical Properties

Freezing point, °C .	-55
Boiling range, °C	294
Flash point, °C	155

#### Specification

##### Industry grade

Items	Specification
Appearance	Colorless transparent liquid
Assay %	≥99
Color APHA	≤30
Acid value(mg KOH/g)	≤0.2
Water %	≤0.15
Specific gravity	1.135-1.139
Refractive index ND/25	1.439-1.442
Heavy metal	≤10ppm

Arsenic(ppm) ≤3ppm

**Food grade**

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**Safety**

Always refer to the Material Safety Data Sheet (MSDS)

**Applications**

Industry areas: It is non-toxic plasticizer, and a strong ability to dissolve many resins have good compatibility, are widely used as plasticizers for vinyl resins and cellulose resins. Use it to plasticized products with good oil resistance, light resistance and mildew resistance. Applicable to non-toxic PVC granulation, ink, paint, soft toys for children.

Food areas: Food additives, edible flavor.

**Packaging**

200Kg or 230Kg or IBC tons of barrels, or according to customer requirements.

**Storage & Handling**

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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