

# Citroflex™ 4

## bio-based phthalate-free plasticizer

### chemical identity

Tri-n-butyl citrate (TBC)

### CAS no.

77-94-1

### molecular weight

360.4 g/mol

### product information

Citroflex 4 is a low molecular weight citric acid ester partially derived from bio-based raw materials.

#### performance benefits

- Non-phthalate chemistry
- Not a volatile organic compound (VOC)
- Rapidly biodegrades in soil
- 39% bio-based content
- Compatible with a wide range of polymer resins, including bio-based and biodegradable chemistries

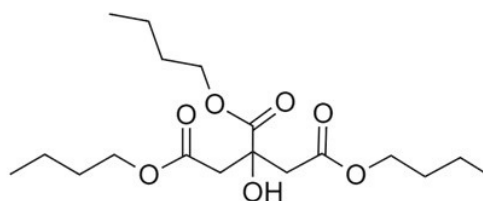
#### typical characteristics

Appearance	Clear, oily liquid
Pour Point	-62 °C
Specific Gravity	1.04
Viscosity at 25 °C	32 cP
Solubility at 25 °C	Soluble in acetone, ethanol, heptane, isopropanol, toluene < 0.1 g/100 mL in water

### applications

- Polymer processing
- Films and coatings
- Topical bandages
- Adhesives
- Defoaming agent

### structure



Consult the Safety Data Sheet for hazard and regulatory information

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Revised 12-FEBRUARY-24